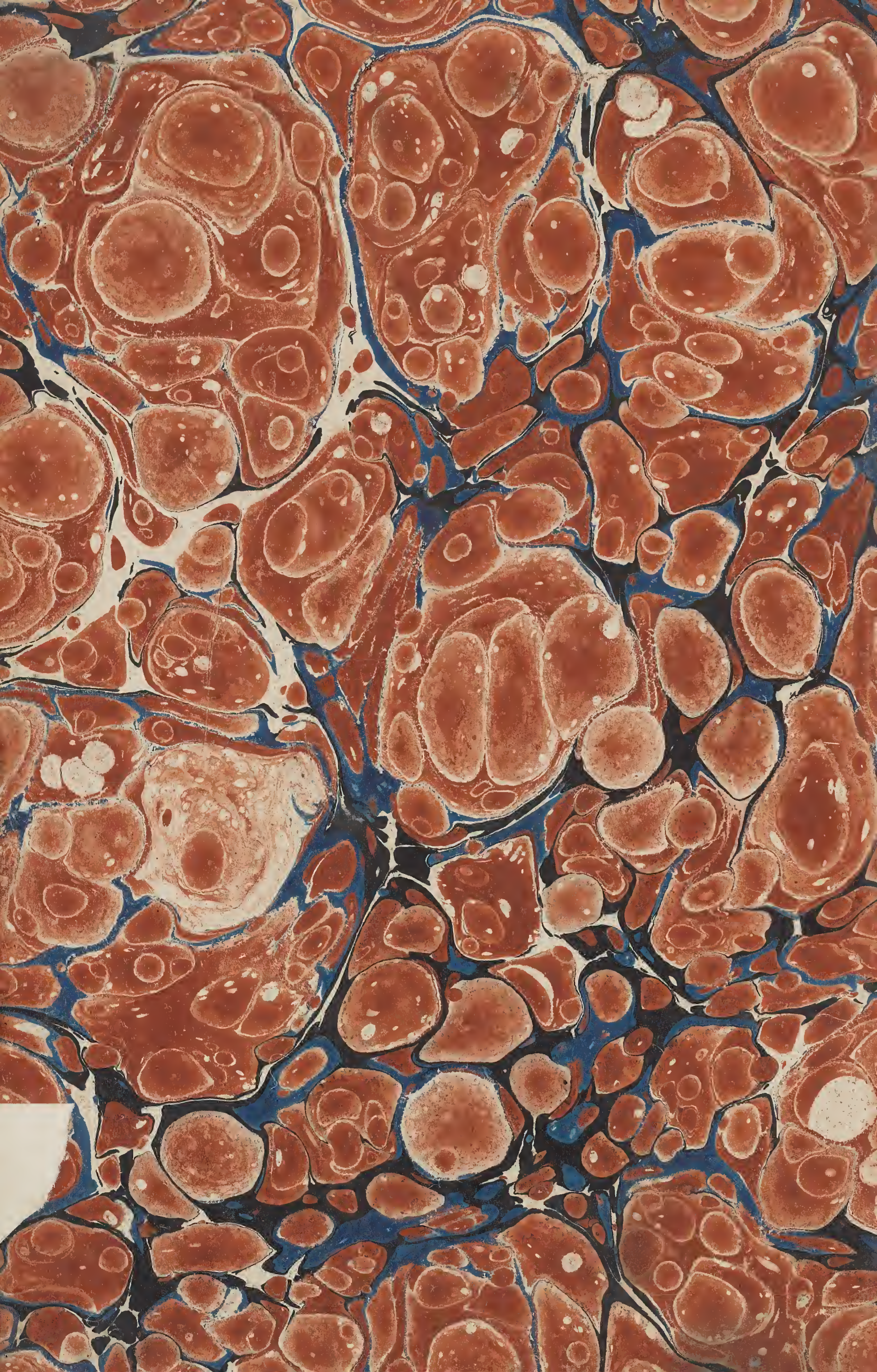


*The  
Student's Journal*

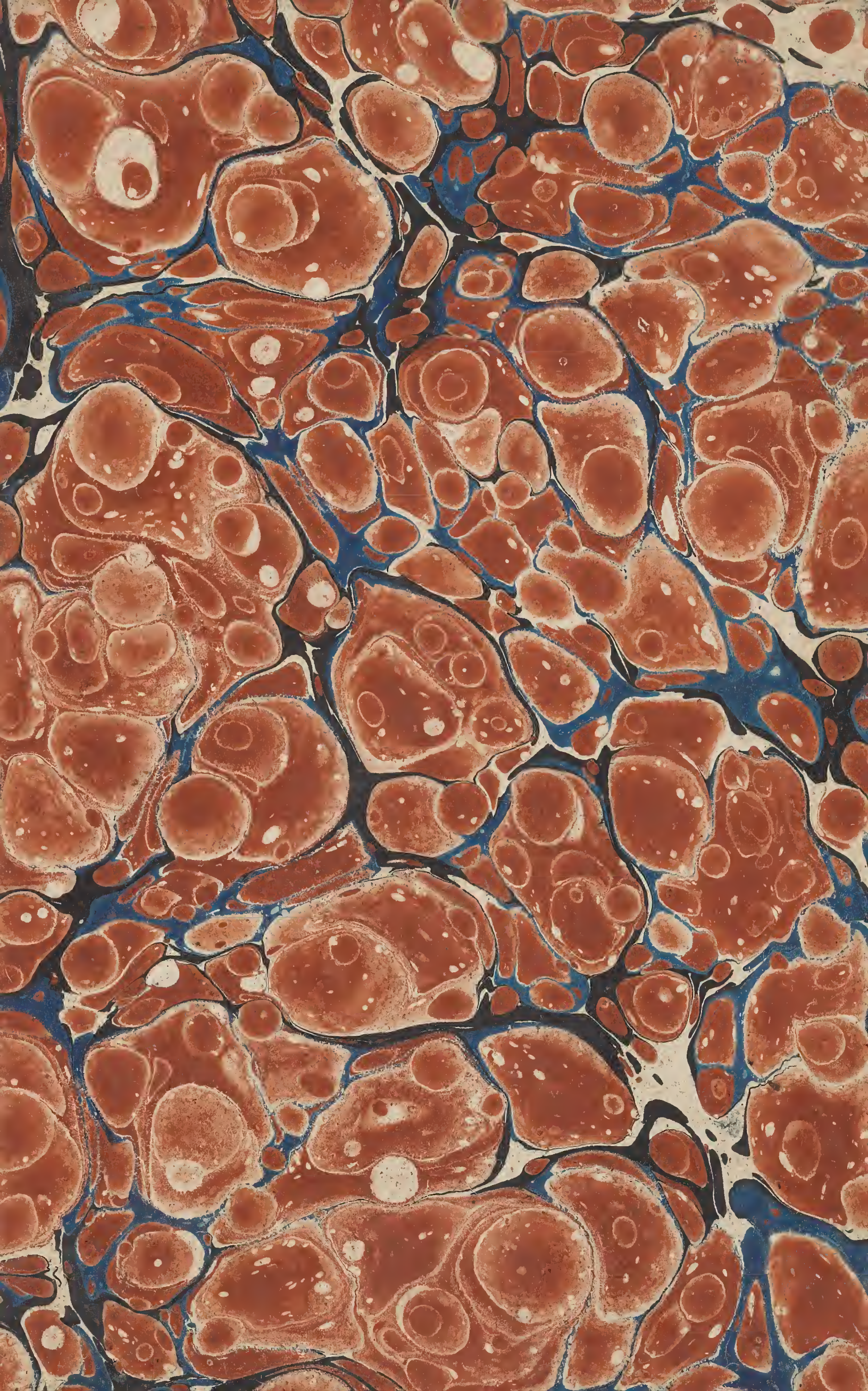
*Commencing*

*7<sup>th</sup> Day of August 1820*











My

\$350.<sup>00</sup>

UMST/85

Crofton Croker 73

Remainder 63

J. S. Raffles 101

55-56-58-62-75-105-108

Isambard Brunel

83 small and 86 107

97 etc

James Turner 105 94

Benjamin Davis 58

William 87

William

George 13 61

Robert 64

James 11 26



commenced the study of  
Engineering April 23<sup>d</sup> 1825.

§ Reamth

advent of the ...  
from ...







THE  
STUDENT'S JOURNAL.



*The Public are respectfully informed, that for general use*

**A PRIVATE DIARY,**

*Formed on the plan of the Student's Journal, is this day published.*

*Price 4s. 6d. half bound in BLUE morocco.*



THE  
**STUDENT'S JOURNAL:**

ARRANGED, PRINTED, AND RULED,

FOR RECEIVING AN

ACCOUNT OF EVERY DAY'S EMPLOYMENT,

FOR THE

*Space of one Year.*

WITH

AN INDEX AND APPENDIX.

---

“ I propose from this day to keep an exact Journal of my Actions and Studies, both to assist my Memory, and to accustom me to set a due value on my Time.”

*Introduction to Mr. Gibbon's Journal.*

---

*FOURTH EDITION.*

---

LONDON:

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Printed by T. MILLER,  
5, Noble Street, Cheapside.



## INTRODUCTION.

THIS JOURNAL is composed of such a number of pages, as will contain a brief account of every day's studies for the space of ONE YEAR. It is not dated, because every one may not commence his Journal at the same time: but a line is drawn at the top of each page, over which may be written, every Monday, the day of the month, and the year, which will render a date for any other part of the week unnecessary.

To *Sunday* is assigned a double portion. Many persons read more on that day than on any other. But those who do not employ it in this manner, will still find that space useful, either for some Reflections on the past week, or for some Observation, Extract, or short Critique, which could not so conveniently be inserted elsewhere.

It is evident, however, that in so small a compass nothing can be introduced but very short notes; and some persons may object to this as an inconvenience. But to this objection it is replied, that longer notes would be inconsistent with the design of the STUDENT'S JOURNAL, which is intended to contain no anecdotes, no arguments; but the simple facts of what Books have been read or consulted, what Letters, Extracts, Notes, Analyses, or Dissertations have been composed. For these memoranda there will be sufficient room; and



for any thing more, if the Appendix is insufficient, a separate and much larger Volume should be provided, as is mentioned in the following directions.

Mr. Gibbon kept a "Journal of his Actions, Studies, and Opinions." This book he subsequently found it necessary to reform, in order to exclude from it a number of pieces which were quite foreign to his original plan. Among the rules which he laid down for its regulation in future, there is one concerning his Studies, which we cannot do better than transcribe.

*"I shall carefully set down all that may be called the material part of my studies; how many hours I have been employed; how many pages I have written or read; with a short notice of the subject of my labours."*

*"This exact account of my time,"* he further observes, *"will make me more sensible of its value; it will dissipate by its detail the illusion which makes us consider only years and months, and disregard hours and days."*

These extracts convey a correct idea of the object of the STUDENT'S JOURNAL. Its province is Action, not Speculation: and by the limits which are assigned to each day, it is impossible that the plan can be infringed upon. But though Sentiments are in a great measure excluded from the Journal, they are not altogether banished. The APPENDIX is intended, in the first place, for concise Remarks on Books or other subjects connected with the Journal:—Secondly, for an Enumeration of all the Books which have been read in the course of the year:—And thirdly, for a Review



of the whole period of the Journal; impartially stating in what manner the year has been spent, what degree of improvement it has witnessed, and what kind of character it deserves, in a comparison with those which have preceded it.

The ANNUAL RETROSPECT will form a very important feature in the volume. The reflections it must excite, the self-examination to which it leads, cannot fail to have a good effect. It will prompt to new exertions, and guard against former bad habits. It will rectify an idle desultory course of reading, teach the true value of time, enable every one to form a correct estimate of his acquirements and his capacity, check vanity and presumption, and by its moral influence, ultimately produce the happiest results.

When Reflections arise, which are likely to extend to a greater length than is consistent with the limits of the Journal or the Appendix, they should be recorded in a SEPARATE VOLUME. Its connection with the Journal may be preserved by means of mutual References, which will lead to each piece, and mark its origin as clearly, as if the composition itself were immediately subjoined to the occasion which gave it birth. These pieces will, at the same time, have all the advantage of being arranged and preserved like independent treatises. His speculations being thus identified and incorporated with the record of passing events, the Student may at any time live over again his past life, and run through the order of his former actions and opinions, by having both books before him, and by turning from the Journal to the several pieces, which appear to be connected



with each occurrence. The Student's Journal will serve in this way as a salient point for any number of COMMON-PLACE BOOKS, (lettered A, B, C, &c.) whose contents will, by this means, be held in perpetual arrangement, yet capable in every part of unlimited extension.

By confining the Journal to the admission of mere FACTS, sufficient room will be obtained, in most cases, for noting down the particular Events, and most important Actions of life; and in this view, the book may be useful to those persons who have the fewest opportunities of reading.

Every work mentioned in the Student's Journal, and the subject of each Remark inserted in the Appendix, should have a reference made to it in the INDEX. If a work has been several days under perusal, it will be sufficient to insert the first and last pages, wherein it is noticed, opposite the name.

When LETTERS are written, of which Copies are kept, it will be found convenient to mention the fact in the JOURNAL, with a Reference to that page of the LETTER BOOK, or COMMON-PLACE BOOK, in which the Copy may be found.

Should any accident prevent the regular continuation of the Journal, it will be easy to comprise a summary account of the studies for the time, in those blank pages which are the consequence of the omission.

As an illustration of the plan, and an incentive to the use of the STUDENT'S JOURNAL, the following extracts are given from the Journal of Mr. Gibbon.

ILLUSTRATION OF THE PLAN OF THE JOURNAL AND APPENDIX.

28 <i>Day of December.</i>	
MONDAY.	<p>I received a letter from Mr. Scott, in which, according to his promise, he lays down for me a course of studies, both in the pure and mixed Mathematics; pointing out the merit and defects of the principal writers in every branch of them. <i>Copied in Common-Place Book, B, p. 140.</i></p> <p>To-day I began the small but valuable Treatise of Longinus in the Variorum edition of Tollius, printed at Utrecht, 1694, in 4to. The edition appears to be a very complete one. <i>Appendix, p. 126.</i></p>
TUESDAY.	<p>I read the 2d chapter of the 3d book of the Port Royal Greek Grammar, which treats of the characteristic letter, and the termination of verbs; and to impress the several modifications of the active verb upon my memory, I copied them out. <i>App. p. 126.</i></p> <p>I read the 2d chapter of Longinus, with the Versions and Notes, as usual.</p>
WEDNESDAY.	<p>I began to-day my extract of the Life of Homer in French, and wrote the first folio page, with a long note. <i>See A. p. 1.</i></p> <p>I read the 3d and 4th chapters of Longinus.</p>
THURSDAY.	<p>I employed my morning very well, since I read the 5th, 6th, 7th, 8th, and 9th chapters of Longinus.</p> <p>I wrote to Mr. Crevier, respecting an obscure passage in Livy. <i>Copied in B. p. 145.</i></p>



## APPENDIX.

*Longinus.*—When I reflect on the age in which Longinus lived, an age which produced scarcely any other writer worthy of the attention of posterity; when real learning was almost extinct, philosophy sunk down to the quibbles of grammarians, and the tricks of mountebanks, and the empire desolated by every calamity, I am amazed that at such a period, in the heart of Syria, and at the court of an eastern monarch, Longinus should produce a work worthy of the best and freest days of Athens.

*Port Royal Greek Grammar.*—I now see clearly the advantage of paying little attention to the grammar till you have made some progress in the language. Instead of having both precepts and examples to learn, I need attend only to the general rules of what I have already seen in a variety of particular instances. It is examining the map of a country through which I have before travelled.

## ANNUAL RETROSPECT.

In finishing this year, I must remark how favourable it was to my studies. In the space of eight months, from the beginning of April, I learnt the principles of drawing; made myself complete master of the French and Latin languages, with which I was very superficially acquainted before, and wrote and translated a great deal in both; read Cicero's *Epistles ad Familiares*, his *Brutus*, all his *Orations*, his *Dialogues de Amicitia*, and *De Senectute*; Terence, twice; and Pliny's *Epistles*. In French, Giannone's *History of Naples*, and l'Abbé Banier's *Mythology*, and M. De Bochat's *Mémoires sur la Suisse*, and wrote a very ample relation of my tour. I likewise began to study Greek, and went through the *Grammar*. I began to make very large collections of what I read. But what I esteem most of all, from the perusal and meditation of De Crousaz's *Logic*, I not only understood the principles of that science, but formed my mind to a habit of thinking and reasoning I had no idea of before.

THE  
JOURNAL.

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*Nulla dies sine linea.*

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MONDAY.

Acting May 12<sup>th</sup> 1892  
admission 10<sup>th</sup> 12<sup>th</sup> 1892  
11<sup>th</sup> 12<sup>th</sup> 92 - 2 1/2 3<sup>rd</sup> 1892  
before - 1 1/2 5<sup>th</sup> 1892

When entering  
read the accompanying  
an other piece, containing  
very interesting and many

Our lecture introduced the  
recommended translation  
down. The student is to go  
and back with him. There  
is no matter. —







THURSDAY.

Disappointed  
 in areas - visited  
 Prof. Rogers and  
 from his land  
 saw trees & was  
 which she brought back  
 with her.  
 Saw my mare  
 for purple galls  
 for the dandruff  
 'eaten -

WEDNESDAY.

With Mary Kuench  
 all day - went to  
 see the castle & played  
 game up Ford &  
 Stephens 13<sup>th</sup> Sept  
 back - -  
 wrote a letter to  
 Miss Wilson

TUESDAY.

Visited John's place  
 after breakfast  
 from 2 to 4.30  
 played Stephens &  
 brought home with  
 May 1 - 12<sup>th</sup> Sept  
 4 to 5 Stephens  
 12<sup>th</sup> Sept on pines.  
 Walked in the  
 evening - had some  
 of the berries of the  
 private life of William

MONDAY.

Visited Mary Kuench  
 9 to 3.30. 11<sup>th</sup> Sept  
 back  
 4 to 5 Stephens &  
 12<sup>th</sup> Sept for an  
 my father and mother  
 returned from their  
 trip to Cheltenham.  
 Had some of Charles  
 hands -  
 the page of  
 Vol 1.

SUNDAY.

Lunch at home

Had dinner of crumpets

Travels - went to Church

heard an excellent sermon from both the ladies.

Dr. P. Meade - visited Miss Waterhouse

SATURDAY.

Went to the races

15 miles from Cork.

Did not bet -

Went on to Cork

Went on to Cork

FRIDAY.

Beautiful morning

gave Gay more

second gallop - after

breakfast hurriedly bet

& Thunders - practised

the same Foster & Thunders

Drew Bull & Hay

for sketching ore copper

Read Charles Darwin

1890

13



THURSDAY.

WEDNESDAY.

TUESDAY.

MONDAY.

Went to the races  
with up; singing  
all the afternoon  
and left at 15  
leaves -  
St. Johns factory  
15 leaves -

Went to the races  
Cawans horse 4 year old  
beat Probstick aged  
and Mr. Piccanti gave  
Main & Stone - two birds  
10 sh. 7 lb. more easy.  
Play I played in  
the evening. -

Attended Ford & White  
14 leaves  
I had 100 sh. 10 lb. picture  
an amusing very  
interesting on the same  
of the head. -  
Play I played with  
Mr. rather evening. -

Went to the races  
and very want  
then before on  
Cawham horse against  
the field from the  
go to home at  
10 o'clock.

SUNDAY.

Nye Court

Went to Church heard a very  
good sermon from L. P. Warren

Read Mr. D. J. De Staer's German

SATURDAY.

Went to Nye Court

did nothing -

FRIDAY.

Stayed here with the  
Professors Rogers -  
and wrote 15 letters  
boxed them 2  $\frac{1}{2}$   
Dr. Hadcroft's lecture.  
on the cranium bones  
explained part of Dr  
Spencer's system.  
Attended Stephens  
10<sup>th</sup> lesson -



THURSDAY.	WEDNESDAY.	TUESDAY.	MONDAY.
Went to the play & was with Mrs. L. The children 14 years old.	Went to the back of a clock and spent some time to dinner and to a walk at Mr Rogers in the before 12 a clock.	Went to the house and to the house.	Went to the house and to the house.

SUNDAY.	SATURDAY.	FRIDAY.
<p>Read Mr De Staels sermon on Revivalism 30 p. before breakfast. - went to Church &amp; Mr Lund a very excellent sermon from Mr. Cole. - made a great number of very good resolutions - visited J. Newnham Manchester very ill - saw his sister a very distinguished person, possessing great personal attraction. - visited Mr Crawford very ill inflammation on the lungs. - opinion changed of Miss M. having seen her in a better state.</p>	<p>Read Prokhorov in Lecture. - 19 p Lecture Bergmann's H. B. Bergmann's D. B. Bergmann's Lecture. - 1 p. Lecture Bergmann's Lecture. - 1 p. Lecture Bergmann's Lecture. - 1 p.</p>	<p>Read Bergmann's Lecture. - 19 p Lecture Bergmann's Lecture. - 1 p. Lecture Bergmann's Lecture. - 1 p. Lecture Bergmann's Lecture. - 1 p. Lecture Bergmann's Lecture. - 1 p.</p>



2  
My Dear Friend  
I received James Delaney  
was married to Miss  
Lambert at Kilshannig  
Church by Dick Watson  
also presented at Capt.  
Lambert's her brother  
they set off for Killarney  
from the Church door  
I returned home for  
my horse to hunt 29<sup>th</sup>  
first day of my hunting.

I returned home  
got horse & began  
the first day of my  
hunting.

Hares, Hato, Quacks  
& Cats -  
I laid blood man  
buff in evening  
to the want of some  
more intellectual  
employment, which  
gives an excellent  
idea of the charming  
inhabitant -  
notwithstanding  
promised to come  
again in October  
from my very  
great partiality  
for hunting -  
an Eclipse of the  
sun -

Went to Hyde Court  
the party in the house  
consisted of Miss M  
Hyde, Major G. G. G.  
& Cor. Ker. Capt. Hornsby  
Natter a fine old  
Place - a quantity  
of good timber.  
The old Castle presents  
a very beautiful  
appearance as you  
approach from the Road  
most of my time spent  
in profitably took  
with me 1<sup>st</sup> Vol.  
Mad. de St. A. last work  
lent it to Cap. Hornsby  
delighted with him being  
the only one in the house  
with a refined or cultivated  
taste - hunting of all  
sorts.

Day of

FRIDAY.

SATURDAY.

SUNDAY.



THURSDAY.

in town during  
 Started at 12 noon  
 17 San Blas Island  
 18 San Blas Island  
 The Abbey - Abbeys  
 Casaple - Lark -  
 Cottages - Casaple -  
 Denis Island -  
 Lined with Mr. Corbin  
 Monastery Abbey

is a very picturesque object from several points. but particularly from

the south & west, within the proximity of the grave - The whole length of  
 the church is about 800 feet, its breadth twenty four. The steeple on four  
 painted arches; The principal entrance is at the west end, under a painted  
 arch of bluish marble, embellished by plain mouldings. well wrought  
 and in good preservation. - Vide Appendix V<sup>o</sup> 4

WEDNESDAY. 10<sup>th</sup>

Alamy  
 Arrived here this morning for Coasts from. Bye Coasts  
 visited Lord Kinnegor Park and house not much  
 earth seeing except for the view of the tower like from  
 a part of the Park. There is a handsome Glen about  $\frac{1}{2}$  mile  
 long - On fine border. - In Company with Mr. Curgenon  
 a young gentlemanly Englishman. - Started 10 AM  
 walked to some towers -

is a very picturesque object from several points. but particularly from  
 the south & west, within the proximity of the grave - The whole length of  
 the church is about 800 feet, its breadth twenty four. The steeple on four  
 painted arches; The principal entrance is at the west end, under a painted  
 arch of bluish marble, embellished by plain mouldings. well wrought  
 and in good preservation. - Vide Appendix V<sup>o</sup> 4

TUESDAY.

MONDAY.

20

Day of October

SUNDAY.

Lt. Kellamney per coach arrived  
at Bye Court about 1/2 past 3 -

SATURDAY.

Stormy weather  
could do nothing  
but read the papers  
the account of the  
trial -  
dined with Coxon  
Singing & clarenging.

FRIDAY.

Went to the Gap of  
Dunlough waited on the  
way the Castle property  
of Major Graham  
and the Harveys home  
and attended the Blue  
Protestants -  
attended to the upper  
lake - visited Mr  
Harveys Cottage.  
Left with a  
return by Buncraft  
with Mr. Coxon on  
the evening - singing  
& clarenging -  
a beautiful day

1814

21



15<sup>th</sup> Day of October

THURSDAY.	WEDNESDAY.	TUESDAY.	MONDAY.
<p>Could see a little out of the corner of the eye but not much</p> <p>Head Embarrassed</p> <p>Review -</p> <p>An excellent article on the life of J. Heyworth -</p> <p>proceedings for a grade or better</p>	<p>Returned home</p> <p>Saw Dr. Beaman</p> <p>ordered Cupping 15 needles - lost 10 oz of blood - a little relieved -</p> <p>took opening medicine at night -</p>	<p>Members still continued</p> <p>Did little</p>	<p>Large party at dinner at Ryecourt</p> <p>sent blisters to my left eye during absence in afternoon</p> <p>Painless</p> <p>Took 5 grs of Calomel</p> <p>Went night going to bed</p>

SUNDAY.	SATURDAY.	FRIDAY.
<p>           Got any thing better blood            did not not very well.            Read Edinburgh Review article on            France.            Miss Talbot says - excellent            a sermon of Chalmers.         </p>	<p>           Much better could            distinguish persons            Saw Dr. B. ordered            a blister over the            temple -            Pains -         </p>	<p>           Capped again 10            Leeches on the same            place took about            10 gr of blood, again            felt considerably            relieved -            Practised for and            took same quantity            of medicine as before.         </p>



THURSDAY.

He gave a better  
lecture than  
ever heard of the  
grounds.

Had an a very  
good first  
time made by  
strange boys & a  
girl - a very  
good one.

David & Mary came  
and held their  
Lectures.

Dr B. 7. 1/2 week

WEDNESDAY.

He gave a little lecture something better  
than our  
practised forms.  
He

gave a lecture concerning  
as a result for the  
or then days -  
but quite so full of  
questions as usual

TUESDAY.

He gave a little lecture something better  
than our  
practised forms.  
He

gave a lecture concerning  
as a result for the  
or then days -  
but quite so full of  
questions as usual

MONDAY.

He gave a  
lecture

He gave a  
lecture

He gave a very interesting  
lecture by an American  
a great many papers  
descriptions of the  
manners of England  
& customs.

He gave a lecture  
on the hope of the  
world.  
Dr B. 3rd week.

Day of October

SUNDAY.

Got a report of the death of  
my Brother George on the West Indian  
Eye some thing better

SATURDAY.

Eye improving and she  
she out of upper  
part - rode and  
paid a sum of  
for saddle & from  
Aug 18<sup>th</sup> 1820. to Sept.  
28<sup>th</sup> 1821. 8 1/2. -

and my Brother  
from Aug 18<sup>th</sup> to Octo.  
28<sup>th</sup> 1821. 13. 6 1/2.  
£ 11 - 11 - 3

Do 13<sup>th</sup> 5<sup>th</sup> 1821. -  
Peculiar the Rogers.  
Aug

FRIDAY.

Eye improving and she  
rode and sang  
Mrs. B. & a can  
Mrs. & Mrs. & Leahy  
promised to send  
her as soon as she  
was well. -

Had better look  
more and more pleased  
with it. it must have been  
broken by a man of the  
most refined feeling - with  
a peculiar look for observation  
and a lady's presence & a large  
party, I think not much to  
say after dinner says Catherine  
Rogers more so. by than  
ear.

1820

25



THURSDAY.

My Mother made  
the great exertion  
to come down to  
breakfast but looking

very ill -

Wrote to Charles  
an account of  
the Death of poor  
Godfrey.

Went to Mr. Marvel  
4th Sepson.

~~Wrote to Charles~~

WEDNESDAY.

She report confirmed  
of poor Godfrey's death  
on board the ~~Republic~~

Sir W.

He was transported from  
the - comes in order  
to come to England but  
the seeds of the fatal  
disease had been sown  
and he died on the  
6th September of the  
yellow fever.

My Mother very  
much affected the  
accident was broken  
to her by my uncle  
J. C. Calver.  
My Eye much better and  
her to send large print.

TUESDAY.

Eye much the same  
Went with day -  
Rent into town  
in the carriage to  
Mr. Marvel third  
Sepson -

Dr B. 7th

MONDAY.

Eye improved very  
much. read Bacon  
the rapidity of ~~the~~ progress  
beautifully written  
attended Mr. Marvel  
second lesson in  
French. -  
Wrote out -

Dr B. called 6th  
Sept

SUNDAY for 10 Guineas -  
bought a horse for Nell

Eye much the same rather  
dull. Did not go to Church.  
Wrote a French letter to  
Mr. Morel. Sent Post  
Mass -

SATURDAY.

Eye not better  
Woke into dawn  
De la Camp came  
to stay till Sunday  
Wrote a French  
letter to Mr. Morel

~~Wrote a French letter~~  
~~to Mr. Morel~~

FRIDAY.

Eye not better  
Saw shipwreck people  
in lawn -  
Paid outdye for  
Wig - 2.5.6.  
cutting 2 6  
for 2.8 -

Letter to Mr. Morel

Another French letter

1810

and last part of

Mr. De Stael's Curia

Ph: gave all been

back - La Bessiere came

and he plus lunch

on Monday at his extraordinary

~~Wrote a French letter~~  
~~to Mr. Morel~~



THURSDAY.	WEDNESDAY.	TUESDAY.	MONDAY.
	<p>Acct 15<sup>0</sup> Wine total 13<sup>0</sup></p>	<p>Acct 15<sup>0</sup> Wine total 13<sup>0</sup></p>	<p>Eye a very little better - foggy day did not go out Read an article on Germany in the Quarterly - good.</p> <p>Wine 10<sup>0</sup> Total 33<sup>0</sup></p>

FRIDAY.

SATURDAY.

DAY.



MONDAY.

TUESDAY.

WEDNESDAY.

the 8

FRIDAY.

Brother Caulfield & self. sailed from Black Rock in the Thermopylae Packet Cap<sup>n</sup>. Hyde 2 1/2 P.M. wind N. W. cleared Harbour 5 1/2. another cabin passengers became ill after Tea - Caulfield in more the same plight. Cap<sup>n</sup>. H. caught a few much as two lubbers. a good breeze came rather in squalls. - sea reef. Slept well.

SATURDAY.

Got up fancying my self quite over all illness; but suffered for my temerity, obliged to retire and remain in bed for the rest of the passage. Caulfield suffered more, nothing agreeing with us but Porter - perhaps 1 of the 2 hops. —

SUNDAY.

Came to anchor at Pill 5 1/2 A.M. got on shore at Lamp Lighter Wall a little after 6. Weather S - remarked the contrast between the straight forward but blunt manner of the English boatmen & narrower sly. roundabouts: - Breakfasted & proceeded to Bristol drive most beautiful the road running thro' Lord Selclifford's dunes White Lion Inn - walked to Clifton. Numberless recollections crowded on my mind - none of them happy - visited a lively stable kept by Sadler - some good Horses. Had Buffon on man. - Inn very good.



11<sup>th</sup> Day of Feb<sup>y</sup>

MONDAY.

Caused with difficulty got in time for the Birmingham coach started 6 A.M. I got into a Bath Coach at 8 P.M. arrived in B. 10. took Post chaise for Chatter Country very much overrated & and only wants wood to be beautiful. Chatter Mr Meade's an old law House with a picturesque front off high road to Peram. arrived most Hospitable truly so. Mr. M. very scientific & great mineralogist. Mrs M. mild kind warm - a great difference between the young ladies proper manner of youngest Elizabeth.

TUESDAY.

Wet day could see nothing of the Country. opinion confirmed of E. & H. M. - y more than rather blue stocking like - E. & H. more genuine feeling without the smallest pretension - rather simple - came to dinner Miss's - Boston & L. & Mr House agreeable Mr Meade full of anecdote. - Music in the evening Miss M. Y. Meade. sang. no style & totally devoid of energy. Miss E. M. - played some Waltzes of Beethoven beautifully. - vide Appendix p. 122.

WEDNESDAY.

Still wet spent however a very agreeable morning went thro' Mr M<sup>d</sup>'s fine collection of minerals and fossils &c. - Presented by Miss E. M. with two of Beethoven's wgtz. left the Hospitable mansion at 5 o'clock got to Bath after 6. very wet. -

THURSDAY.

Started at 6 A.M. for London in the coach found my health improved from the traveling my eye also better reached London the scene of all my follies at 6 1/2 P.M. went to Blankney Hotel Broad Street.



visited Rose about my eye, <sup>he</sup> condemned  
Dr Beasmith's treatment, fixed consultation  
for Sunday. - visited Croften Crocker. found  
him much improved in manner & accent.  
talked a great deal over our unhappiness & Country  
saw Mr Mc Donald & Louise - former much  
the same as he was years ago - latter entirely grown  
out of my recollection - very pretty  
Went to the oratorio heard Miss Tree Miss Goodall Miss Paton  
14th ~~Captain~~ all by Curiani and Mr Safford first time

SATURDAY.

visited Rose again long conversation  
about eye - gave me hopes of final  
recovery - Croften Crocker dined at  
Blackburn & to the opera evening Gazzo Ladra  
very beautiful Mr Camporossi Maria Emma -  
Miss Curiani neither of whom interested me <sup>very</sup> much  
admired Mrs Vestris in character of Pippin -  
to bed at 10 o'clock. -

<sup>called on Halkbrennan played. delighted</sup>  
Went to Croften Crocker 11 o'clock. at  
31 Bedford St - found him at Breakfast in  
what I conclude he called a dressing gown but  
which appeared more like an Irishman's great coat.  
read me some of his work upon Ireland.  
In the serious Historical part he is very wise  
but don't like his gaiety. - don't like his sentimentality.  
Consultation about my eye Lawrence, Bradish  
& Dr Baly to Rose. gave hopes of eventually  
recovering & condemned Dr B's treatment - ordered to  
Bathing regular living as little excitement as possible  
strong medicines - dined with Mr Mc Donald  
saw Maria - grown a fine girl scarcely at all disfigured  
by small pox - appears to have a good deal of vanity  
not much upraised by her mother - company C. Crocker  
Brook Hall a very fine young man - very heavy - Major Seale came  
in the evening - he talked much - Lord Portmouth's case.

SUNDAY.



17 Day of *July*.

MONDAY

MONDAY  
Walking about. Taken most part of the day  
visited my dear friend Mrs. Wilson found her just  
the same as I had left her gave me a long account  
of Matilda - rejoiced at her return to India  
purchased my spectacles for John Newman  
Went to see Mr. Saff's gymnastic performance  
at Chelsea - most admirably calculated to bring  
all the muscles into proper action & a most capital  
introduction at this time - young persons being so much  
confin'd by education that a system of exercise is absolutely  
necessary for health. -

TUESDAY.

TUESDAY.  
Went into the City to see Mr Johnston & get money - saw only young men. made apologies for not having <sup>at</sup> <sup>the</sup> Dayman eldest brother just dead of consumption - saw my friend Hall insisted most kindly on my staying with him while remained in Town. most grateful to my heart to find old friends constant brought the tears to my eyes. Moved every thing from Bleekerin to 47 Davies St. wrote a letter to my sister Dorcas. —

WEDNESDAY.

Looking every where for new music  
not successful - visited Mr Latsche 10 Rues  
court Fetter Lane Told of a clergyman of Moscow  
man of great information a famous collector of  
minerals & most abundant assurance - on coming  
into the street my horse now where to be seen, had got as my  
from the boy that held him & by mere chance I found him  
a dairy stable close by. -  
dined late in the with Hall -

THURSDAY.

FRIDAY.

SATURDAY.

visited Crofton Croker found him immersed  
 in Brookes papers in all directions. - read  
 me some more of his works a paper on  
 architecture rather heavy - but a paper  
 on literature very entertaining, some transla-  
 tions of Irish depth songs. very singular - a  
 good deal taken from Miss Brookes work  
 on Irish poetry - visited Miss Wilson. - a  
 day of wind & rain. - Sir Ch. Doyle dined with us  
 a very well informed pleasant man. read us after  
 dinner some of the latter sheets of the  
 life of the Spanish Patriot which he is about  
 to publish. - vide Appendix 12.3

SUNDAY



MONDAY.

Practised piano Forte for 2 hours.  
 Visited Miss Wilson & Russell.  
 found the two Miss Lockharts, recollected  
 Fanny's face, but could not her name.  
 Six years since I had met her she recalled  
 very many unpleasant recollections - of love -  
 of perfidy - of - called on Mrs McEonald and Samy, he  
 appears to have grown affected - dined at home by myself.  
 at piano from 8 o'clock to 12. -

TUESDAY.

Piano for 2 hours - went to Chelsea  
 & to Hampton with Hall. sung with  
 Miss Langner, accompanied by Sir.  
 Anti. played me his proposed method for  
 singing - liked it very much. talked nothing  
 but French he not understanding English.  
 Thompson dined with us - went to Opera in evening.  
 Sarcasms - great expectations - disappointed.  
 Home a little after one o'clock. -

WEDNESDAY

Left at 7 o'clock saw my friend Hall into a  
 Brighton Coach 10 o'clock. Called upon Hunter.  
 Rose gave me a letter for Dr Pitts.  
 Heard the Appallances. Magnificent  
 entertainment. a splendid Museum  
 of the Arts. - any person with any  
 pretensions to musical taste should  
 hear it. - Saw C. Croker. gave me a great  
 account of O'Donoghue's work on Ireland. -

THURSDAY.

Left at 4 o'clock started from London 1/4 before 6.  
 arrived in Bath about 7 o'clock - white snow mounting  
 journey a proprietor of the Coach my  
 companion talked of horses -  
 bed at 9.



FRIDAY  
 Depart 1/2 past 7. Breakfasted and left Bath for  
 Chaffey Lodge Mr. Thos. Meade. distance about 7 miles  
 on road to Farnham. Received most cordially by  
 all but one - passed the day in trying over  
 Mr. Meade Mr. Latimer sacred music  
 a beautiful collection, and in pleasing easy  
 conversation like I. Monk more.

SATURDAY  
 Visited Farley the beautiful seat of Col. Cotton  
 the house is florid & the work of it built  
 by the present occupier. There are four or five  
 very good paintings & many very bad & badly  
 painted by Julius Barnard two. Mr.  
 the park very pretty great diversity of the  
 ground - a lake & a fine of pond - House badly situated  
 music in the evening. Mr. Meade's sister more  
 to Farley.

SUNDAY  
 Depart 6 A.M. road to Wimp. & more to  
 Marsdon Rectory Mr. Meade's distance  
 about 10 English miles through a pretty  
 country. Arrived at a very neat Lane. Marsdon  
 Church & gateway to it - introduced to  
 Miss Arnold Mrs. Meade's sister - pretty - her  
 her manner, not equal to her sister - went  
 to Church at 10 - close to the House very neat  
 yard - but there appears a total want of  
 architecture in the Church itself - visited Mr.  
 Mr. in her bed room having business only a week  
 received me most kindly - went to Lady Cork's school  
 sung Hallelujah with the children & others - to Church 1/2 past 2  
 in gallery with Lady L. Boyle & Miss Arnold. sung for first  
 time in a Church the Hallelujah <sup>very purpose</sup> visited Lord Cork's  
 very fine library saw good pictures a beauty copy from  
 Raphael & a view of the M. Baths. Park part of D. Cunningham & Sir R. Hoare  
 from Hatterdown 1/2 past 5 music in evening Mr. Latimer's coll.



MONDAY.

J. Meade read me an account of the proceedings of the chamber of Deputies - visited Mrs. M. in morning. left Maiden at 2<sup>1/2</sup> clock with T. M. arrived at Chatter at 4 - singing. before dinner saw conversation with E. de la Roche, the idea of leaving Chatter - but determined that it should be of the morning following. singing in evening. never was half so much delighted with any family they have a system that I will was more generally adopted. Every evening to the whole family at Maiden meeting &c.

TUESDAY.

Left Chatter with a heavy heart in their carriage with Miss M. & J. M. - saw most of Bath, I think the most beautiful town I ever was in. dined at White Lion. J. M. & Mr. House, went to concert in the evening. heard Mr. Carradore's daughter much. J. de Bregis beautiful. Bage put me in mind of Paldia. the room crowded - did not admire the appearance of the society and the most beautiful tips that was during they were lectured or rather had not the taste to expose.

WEDNESDAY.

Visited Mrs. Walsley where Miss M. was staying. heard her sing - a want of purity of taste. left Bath at 3<sup>1/2</sup> M. had a pleasant companion in Coach had been in India 32<sup>1/2</sup> years. dined at White Lion purpose sailing tomorrow if wind fair.

THURSDAY.

left at 6<sup>1/2</sup>. anxious to get away from Bristol having no pleasing recollections whatever with it. determined at length to start for Pile where the bulk of Maria was waiting for a wind; road my friend Walter joined. Lady - got under weigh about 1<sup>1/2</sup> past 10 clock. Wind N. W. towed down the river by the two port steam packet. Wind N. - past the Column. wind from N. W. - W. - W. S. W. - S. E. - S. S. W. and 11 O'clock at night came on to blow a gale from S W. - storm got two reefs main sail.



FRIDAY.

Got as far as Lundy Island. Wind came round to the W. and obliged to be away for Ilfracombe. where we arrived at 2 1/2 P.M. the best harbor I ever saw. but when inside the pier very well protected. Went to the Britannia Inn. a great room in which I believe every thing exists, however felt myself as I sometimes do thanks be to God Almighty. quite cheerful & under a great deal in head. Ilfracombe County Down. is an irregular dirty town & pretty Church old - a new news Room on the terrace - pretty buildings. Tho' in the great Cider County my Landlady tells me there is not a drop to be had all over the Town. Wind continues very high - W. N. W.

SATURDAY.

Wind still W. N. W. with some showers - but not quite so much of it - paid one week's subscription to the News Room - Read Mr. Sherwood's speech relative to Orange Lodges with much satisfaction. The account of the proceedings of the Chamber Deputies towards M. Manuel. raises in my mind nothing but contempt. - walked a little into the country - very beautifully diversified hills & dale - had some idea of going to see Barnstable 12 miles distant but afraid of weather cold & pocket. had Londenbury stream collection. vide - p. 25

SUNDAY.

Left at 8 1/2 after breakfast - went to News Room read as much as eye would permit. walked into the country must be quite beautiful in summer. wondered from hills to hills from field to field. thought of those I had left & of those to whom I was going. - rested at Chally & Hainsale came about 2 o'clock read Londenbury. very much pleased - again went to the News Room & what I did say, out over well taken. - walked on the way - had some conversation with Mr. Barrows a cripple - from hips down quite dead so that if he were to cut the flesh, would not feel it. - has no sensation of anything passing from him yet notwithstanding suffers the most excruciating pains without any intermission. sometimes the limbs dreadfully convulsed - particularly in warm weather. sometimes vomits water a pint at a time once - being shipwrecked he was two days and nights with his lower extremities wet - from which



#  
10 Day of March

time 19 years since he has been in this state - quite cheerful - a remarkably good countenance - mind still N. W. & no prospect of a change -

MONDAY.

Up at 8 1/2. Wind at S. E. but blowing a gale with torrents of rain. Cap. would not step - & felt trying to work off the opposite shore carried away. A part of B. & S. P. H. - went to news room. Played three games of Billiards determined not to encourage the propensity. Read Swedemborg Arcana Coelestia made large extracts. Buffed up Nature of animals. Wind round S. W. No hope - cheerful notwithstanding.

TUESDAY

Up 8 1/2. Wind N. W. fine weather no prospect of a change of wind. Walked to news room & Randu papers - took advantage of fine day and walked some way on road to Barnstable. Canoe out with two men mending road. Got one shelling a day - eat bread milk and meat almost every day - quite accustomed to a man. Could live without it - poor Ireland!! - saw Paris again the most practical philosopher I ever met. Truly religious. Religion from consolation of sickness, than eradic of age!

condemned myself for feeling a little depressed. Staying here so long from the fine example before me. A bed at usual at 10 o'clock. Wrote to John for fifteen pounds.

WEDNESDAY.

Wind still N. W. went to news room nothing interesting in the papers. Had Spont. then got a piano forte or rather Harpison, a very bad one, but fortunate in getting any - wrote a letter to Corcoran to go by Swedemborg. Looked over a great deal of new music - to bed at 10 1/2.

THURSDAY.

Wind S. W. beautiful day but Cap. would not sail. came round to W. - to news room. Walked a great deal. Read a Chap. Swedemborg. made extracts - practised piano -

To bed at 10 o'clock. - felt a little impatient.



FRIDAY.

Went N. S. W. up at 8½. Capt. would not sail  
 went to Club Room. about 11½. Express Packet  
 Cap. Goodland came to the Harbour  
 and I with infinite gratification went  
 on board together with three other passengers  
 a dead calm obliged to anchor till 7 O'Clock  
 a pleasant breeze all night - beautiful weather  
 not the least ill-fellow passengers Major Bicham  
 of the Veterans Mr. Delucage. and Mrs. Peard.  
 Very pleasant. - - - - -

SATURDAY.

Up at 7½ lovely day wind S. E. but almost a  
 calm - very good evening - played piquet and top  
 by way of something to do - lost the mighty sum  
 of one half penny. - Every prospect of being  
 here till tomorrow - so little wind. -

SUNDAY.

Up at 9 - dead calm beautiful day - Had prayers  
 and church at 12. O'Clock - enjoyed myself  
 considering the want of ladies society very  
 much - Major Bicham a most agreeable  
 man, full of anecdote and good spirits  
 kept us in constant fits of laughter. -  
 found my eye much better for the voyage.  
 proved that being quiet and little exertion  
 are the necessary remedies for its restoration  
 a <sup>morning</sup> breeze about 3 O'Clock ferry off Dungeness  
 had a trial with a cutter H. M. boat etc.



17<sup>th</sup> Day of March. 1823

MONDAY.

St Patrick's day. Up at 8 off the Harbour  
Which 12. M. W. but little of it.

TUESDAY.

Feb 24<sup>th</sup> 1826. Friday - Dublin Coach by Coker  
Left Cork at  $\frac{1}{2}$  past 5 O'Clock in Dublin Coach by Coker  
on my way to London to commence Engineering arrived at Cork  
a little before 1 O'Clock Saturday morning. walked more than a  
mile to Horse Barracks to visit brother Richard Capt. 4<sup>th</sup> Dragoon Guards  
next day visited Stables &c The town very pretty situated on river  
score excellent stone for building - Limestone - visited Mr Rial  
dined at the mess and never so fatigued - felt thankful that  
my mind had been directed into another channel - only thing worth  
remark, was a wager between two officers viz. who should ride  
his horse round the table in the mess room. The 11 O'Clock  
at night both horses were ready in 20 minutes and both actually  
were round the table, to the not small diversion of all - Left Cork

WEDNESDAY.

that night in same coach and arrived in Dublin on Sunday  
at  $\frac{1}{2}$  past 5. - dined with Mr Lindsey Caulfield & Robert  
both there - did little next day - Tuesday saw the Docks  
also Miss Wyndham at the Concert of singing & playing  
ways & public, Burlington all admirable - Built of Granite  
present near the town - This day visited with Mr Friend  
Mr Macgrace, the pier at Duncurry or Kingstown for work  
of Messrs Hemmings - noble national work - visited the Quarries  
from whence the Granite of which the pier is built  
is brought - also the Lead mines near the Quarry some  
of the veins 13 to 15 inches thick - good lead - not worked  
to any extent - Common House Colours of Portland Stone  
ways and strong works of Granite - very hard to work.

THURSDAY.

visited the custom house Docks then met Dock Surveyor Bridges  
very finely executed all granite - Saw King's Inn. one of  
the most classical buildings in Dublin - Ionic & dome on top  
supported by Corinthian pillars - don't like custom house  
Roman Ionic - lines too broken - Colosse bad - Corinthian pillars  
Bank beautiful one front Corinthian other Ionic -



FRIDAY.

Left Dublin 5.0' clock morning in a badly appointed coach. arrived at Northcliffe after 7. sailed at 8 in Steam - 50 Hake - a lovely day. made the passage in 5 hours 55! dined at Morons Hotel - very bad. started at 2 p. 3. did not arrive at Bangor (23 miles) till 4. before 7. Monai bridge a stupendous work not astonished. never am if I hear a description. - slept at Bangor. visited Conway next morn. distant 15 miles. road. Bridge similarly constructed to Monai. not half the dimensions. but infinitely more picturesque. The pier corresponding to Castle. Road passes close under walls.

back to dinner much gratified. Oh! how I love the Mountains & Mountain torrents. -

SATURDAY.

N.B. The pier at Northcliffe finely executed by Rennie as also the one at Holyhead. at latter place a triumphal arch to commemorate the visit of H.M. George 4<sup>th</sup> 1821. Doric extremely heavy & intelligent. The littleobelisk of Dunlavy better - about a mile from Monai a pretty Doric pylon to M. Angellier by lost at Waterloo. -

SUNDAY.

Up at 4.0' clock started at 5. Company an Iron workers wife & two children. she mentioned two of Robin's dark shaggy dogs - one was that two years before turn out there would a bridge over the Monai. - The road perfection - Sublime scenery. breakfasted at Capel Curig. Show on tops of mountains. - Hail showers but went outside to enjoy the beauty of the vale of Llangollen. arrived safe at Shrewsbury about 4.0' C. Sunday. thanked God. found Col<sup>l</sup>. Foulson. dined together. - to bed at 9.6' clock



6<sup>th</sup> Day of March

MONDAY.

Left Shrewsbury  $\frac{1}{2}$  past 8 O'Clock - decided relative  
 of the Coach - obliged proprietors to forward me  
 by another the Union - Lapped at Oxford much  
 amused by the absurdities of a young gent. who came  
 into our supper room - called for best Malt - pronounced  
 it very incorrect - d-d incorrect - the cant term of the  
 University - he conversed familiarly with the waiter  
 said that he had dined that day at Trinity - but on  
 pewter d-d incorrect - could not feed from pewter - a  
 good honest farmer a passenger cried out, he thought a fellow  
 a d-d fool who could not <sup>eat</sup> his dinner off <sup>a</sup> trencher  
 pewter! this silenced my gent. who only stared a  
 few - arrived in London safe and sound after  
 a tedious journey about 10 O'Clock. Stopped at  
 Bull & Mouth - a detestable place - visited Judge  
 found him warm but cautious - visited Hall  
 really glad to see me - he seemed truly happy - don't like  
 his wife much - visited Sir S. Maffers - too ill to  
 see me - removed to new Museum on Maffers  
 recommendation - dinner very exorbitant 12.6.  
 London much improved August 1<sup>st</sup> very fine - to be  
 a little after 9 O'Clock -

TUESDAY.

Delivered various letters - Saw Croft's brother - opened  
 my ideas relative to Engineering - received every  
 promise of assistance - gave me a letter of introduction  
 to Mr Knight Messrs Rempies Foreman - introduced  
 me to Major a well filled head - considered by C.C.  
 and others as one of the clearest young men in  
 London - visited Mrs Donald 5<sup>th</sup> Upper Berkeley St  
 Maria gave a very pretty girl - but very affected - received  
 excellent advice, practical from C.C. visited Mr Nimrod  
 nothing to be done in that quarter - met Cap. Stephens visited with  
 his lady, Buchanan Portland Place - after father Col. Milnes -  
 Stephens the same as ever - most warm - dined with Hall

WEDNESDAY.

4<sup>th</sup> Charles St. Berkeley Sq. at dinner Cap. & Mrs Dallas of St. James  
 Sir John Doyle & Mr Hall's father Mr Sirie - pleasant  
 Mr Hall sang - well taught - a good low voice - upper voice  
 all in the throat - wants the true feeling - a perfect gentleman  
 breakfasted at 9 - visited Mr Knight received a most agreeable  
 welcome - immense love of admiration - acted upon it - he  
 promised every thing - determined both from C.C. & the opinion  
 not to go into an office - to work for self in my own way - see  
 all and trust to my own powers - eye not very well caught cold  
 visited G. Munton & C. received a kind invitation from Mr Butler  
 to visit him at South Gate - found my brother Will in town -

THURSDAY.



FRIDAY.

Breakfasted with William at Royal Hotel  
 went to British Museum - still a student -  
 took a lodging for thirty shillings per week - for  
 3 months N<sup>o</sup> 14 Gloucester St. Queens Square far from  
 former parents - wrote a letter to Dorcas - thanked by  
 Hutchinson - received a letter from Caulfield for Dublin  
 dined with W<sup>m</sup> J. Johnston 54 Russell Sq. nothing positive  
 good house - good wines - home at 12 O'Clock - Eye a little  
 affected by the cold in my head, but not so much  
 as by damp feet. -

SATURDAY.

Will<sup>m</sup> breakfasted at Keommons with me - went to the  
 Tower - saw Capt Mudge who agreed with Mess<sup>rs</sup> Knight  
~~Corker~~ that I had done right in going into lodgings  
 and not under an Engineer - Mudge introduced  
 me to Mr Simms Mathematical Instrument  
 maker who is about to take Mr Foxsters place  
 a fine head and good countenance - very full  
 with the true perpendicular scribble - got settled  
 in my lodging - Street very quiet. - went to the  
 Opera a ticket from Will<sup>m</sup> St Barbier - Sig<sup>no</sup> Pellegrinis  
 first appearance - in Figaro - a good actor - not a great deal of voice  
 - Mad. Caradori do business there as prima Donna.  
 Cold Very bad - wrote letters all morning. only a pretty singer.

dearest Mrs Newman and her beloved family -  
 To my dear letter - went out with Will<sup>m</sup> at 3 O'Clock  
 called upon W<sup>m</sup> J. Johnston - then to his Hotel  
 to pay his bill - dined at the Gloucester Coffee-House  
 and put him into the Mail 7 O'Clock for  
 Chittenden - returned home and went to  
 Bed cold so bad. - Keommons very expensive. -

Remark that <sup>all</sup> most of the useful heads - Sir S. Raffles  
 Mr Nicholson, Simms instrument maker. Sir H. Dargy  
 Dr. H. Dargy, Mr. Herschel, Dr. Gregory - Mr. Boscawen - (except Boscawen)

do not appear large, and the base always larger  
 than upper world. every part of the frontal well filled.  
 most of the clever men believe in some extent of

SUNDAY.



MONDAY. / 3

Cold not better, but Eye not so much affected as I should have supposed. breakfasted late. visited Lord Kingston for a Frank - not at home. saw Crofton Croker at the Admiralty went to be introduced to Mr Nicholson the landscape painter who received me most kindly - promised to give me some lessons - showed me his beautiful portfolio which was a great favour, according to C.C. Peter R. not much prized - a book seller - wanting conversation - H. Deane an instance - went to poor Mr Patter the late artist's house with C.C. - he committed suicide without any just grounds - his father did the same. - visited Sir S. Popham received me most kindly also his lady's lady - hoped to see me soon and often. - ~~home to dinner at bed at 10 O'clock~~

TUESDAY. / 4

Breakfast - 1/2 past 8. visited Mr Knight - he talked of being able to give me rooms in some house with him - saw the works at London bridge first time then Crofton Croker's tremendous - length about 102 feet. not a stone laid - had a just conception of the whole process - Old London Bridge starlings most absurd - have been of use to the construction of the new - these starlings being quite uncovered at low water. - asked advice of Messrs Johnston & Button relative to sale of commission - advised to purchase into 24 per cent. - made a call of Mr Johnston's instruments of Linnæus's 5 also one doz of winged. G. of Mr Moore - sought for architectural draughtsman - no go - wrote a letter to Caulfield Dublin - bed 10 O'clock - slept at home

WEDNESDAY. / 5

up at 8 O'clock cold still bad - read some mathematics - visited Hon<sup>ble</sup> C.H. Hutchinson got letter Franked to Caulfield made arrangements for getting the reports of the House of commons &c - visited Hale - Maria McDonald. sought for architectural draughtsman - still unsuccessful - published Woodhouse's trigonometry - went home and studied it - Mr Moore gave recommendation. - visited Brooke - who for the first time said he hoped to have the pleasure of seeing me - proving the effect of my present pursuits upon him as a rational scientific man. - bed at home - to bed at 1/2 past 9 O'clock.

THURSDAY. / 6

up at 1/2 past 7 cold better - studied Linnæus & my cons experienced some difficulty - 3 hours - went to Marlborough police office to swear half pay certificate from thence to Greenwood Cox & Co. received from Feb<sup>y</sup> 1825 to Sep<sup>r</sup> 1825. £54. - enquired relative to sale of commission found many wishing to sell - regulation only 1/2 worth more to me - visited C. Croker sought for draughtsman - still unsuccessful - Croker dined with me - told many stories - only one recollecting History of Franklin. - bed at 1/2 past 9.



FRIDAY. 17

10<sup>1</sup>/<sub>2</sub> p. 7. Cold better studied Mathematics - determined on getting a master. takes too much time to puzzle out my self. Went to seek for one - without success. Called on Miss Wilson b. 1 Rusell Sq. delighted to see me - Miss Anne went with to a board and lodging house £10 p. month - very fair - ~~don't~~ go if possible - Dined at Fins Patons Sabon - St Patrick's Charity for the support & instruction of children born of Irish Parents in London. very useful. D. Clarence in the chair - spoke a good deal of nonsense some just observations - a young Irish clergyman made rather a fool of himself in speaking up for the Bishop of Derry's health being drunk - coming from some diocese - Contributed £2. - home before 12 o'clock - a good dinner -

SATURDAY. 18

Up at 7 o'clock. Cold much better - Studied Mathematics at length found a drawing master Mr Maddox 55. 7 Turnmill Lane at 6 Greenway & Quarter. Monday's Tuesday's & Friday's - from 10 o'clock till 4. - got a ticket for Dr. Spurzheim's lectures. Crown & Station. Two guineas - 18 lectures. - walked from there to the bridge building over Serpentine. received much kindness and attention from Mr Knight's friend Mr Smith. Cleth of the works. remained there 3 hours got a good idea of the construction of Centus. - entered much into detail with Mr Smith. - did Cobbett's Grammar

SUNDAY. 19

Arose at 8 o'clock - took a view of the news of the week in the Examiner - The paper much fallen off - wrote a long letter to my dearest Mrs N. - a note to Mr Gery - Read a portion of St Luke's Gospel - felt strongly the contrast between my present occupations and those when last living in London - Give God thanks - Dined with Maria McDonald 54 Upper Berkeley St. at 2<sup>1</sup>/<sub>2</sub> o'clock walked in the Park with young Maria - like her better a good observer of character - must have some herself - introduced to her friend Miss Brode - a full forehead - full eye - but showed her upper gums - a strong sign of coldness of character - Grace without an undulation - want of elasticity in the muscles of the face - met Stevens in the Park - recommends me to see the child who performs on the Harp - home at a little after 10 in bed before 11. -



MONDAY.

up at 7½ Mathematics for one hour half.  
 Went to Mr Maddox - first lesson in architecture  
 Drawing - He gives me every hope of complete  
 success - showed me the ill effect of having the  
 stones over the arch all radiating - a want of bond -  
 Maddox's head not large, at least in front - strong  
 brow - I drew in his school amongst the young students  
 from 11 o'clock till 4½ - took a walk - weather very cold  
 and showery - dined at home - Dr J. Spurzheim's lectures in  
 the evening. Highly interesting - explanations of the organs of  
 sense, touch, smell, taste, sight, hearing, & firmness  
 in bed a little after 10 - cold not so well.

TUESDAY.

up at 7 o'clock - read two Chap's of Scientific  
 Dialogues - visited Mr Knight architect to request  
 him to dine with me on Thursday - he showed me his  
 many plans and drawings - both of his own design  
 and those of Mr Pencil - a very vain man -  
 remained with him 2½ hours - from there to  
 the admirably engaged C. Croker to meet Knight  
 thence to the British Museum where I arrived before  
 2 o'clock - read till 4 o'clock - Gregorius Mechanics.  
 obtained a clearer idea of the properties of the lever than  
 before - passed on a note - took a walk to Pinner Lib.  
 purchased Rickman's Gothic Architecture - read 65 pages  
 not so good as I expected - in bed before 10 o'clock.

WEDNESDAY.

up 7 - transcribed observations made at British Museum  
 into Engineering Book - received a visit from Mr Ford  
 who is still in an unsettled state; wishes to get into the  
 Academy of Music - wants money I offered him whatever  
 he might require - made him happy - went to Mr Maddox  
 10½ remained drawing, without intermission till 4½ - Eye not  
 suffering - weather however very cold - got a hoarseness - Wind N.E.  
 very much against me - went to Dr Spurzheim's lectures in  
 the evening - most interesting - he treated the subject of  
 religious and moral feelings in a manner peculiar to himself.  
 met Mr Gamble - vice useful acquaintance knowing many  
 Engineers - lived N of Paragon, Kent Road.  
 in bed a little after 10 - vide Appendix page 127.

THURSDAY.

up 7. cold increased and hoarseness - read Rickman's  
 Gothic Architecture - at 10½ went to the British Museum  
 studied Gregorius Mechanics, and Vitruvius on  
 Architecture till 4 o'clock - very rainy - hope it will  
 be the means of taking away the cold N.E. wind -  
 Mr Knight dined with me - a most tiresome person  
 very good natured and very vain - kept me up sitting to his  
 presence 12½ o'clock - recommended me strongly to look  
 after the pile drivers they being a bad set. whenever it shall be  
 my fortune to build a bridge to build - the cause of



24. The Custom house falling was owing to bad piling. Mr Smith architect, made an artificial foundation with lime & sand & gravel, thrown in, in quantities. an expensive foundation.

Good FRIDAY.  
up at 8 O'clock - cold very bad, and altogether felt very ill condensed stomach and bowels both in fault - took in consequence a dose of C. oil. - read service for the day, and three four chapters in my Bible - tho' sick in body, my mind felt tranquilised as I read, and contemplated - felt that I am, at least exerting myself to act right - remained at home all day - studied Guignies Mechanics - transcribed the notes made at R. Muddocks yesterday - read Guignies account of Professor Farinelli's Isometrical Perspective - it appears likely to be useful - received Mr. Salford's report on the Effects which will be produced on the River Thames by the building of London Bridge & taking down the old - I have not come to any conclusion upon it. some extraordinary statements - in bed 9 O'clock.

SATURDAY.  
up at 7½ - much better - drew for two hours on the Isometrical principal - like it much for machinery and things not having an extended perspective. - visited Mr. friend Mr. Lumbell - 8030 Nottingham Place near St Mary le bone - like him much - small head but very well developed - the division between knowing intellectual faculties - saw parallel wrinkles - paid Mr. Barr his bill - to expense went did with him on one matter very cold - dined home - went to St. George's lecture. got a Violoncello to hire - 2 Guineas & worth a good one. appeared 28. to bed at a little after 12 O'clock - practiced Violoncello.

SUNDAY.  
up at 8 O'clock. read the Weekly paper, payed Mr. Gamble a visit 807 Paragon Street Road. introduced to his Father - a well filled up head - had been a paper maker - took out a patent for preserving provisions without salt - in Tin Boxes - excluding the air. - promised to introduce me to Mr. Gonth's Engineer and others. - gave me some useful hints. - recommended establishing and Iron Foundry in Cork - engaged me to go to Sea tomorrow Eveng. to meet Mr. Nicholson brother to Peter Nicholson - read some of the service for the day when I came home - wrote a letter to Mr. Willis Coal Quay Cork - dined at home weather very cold - snow and hail showers -



27<sup>th</sup> Day of March

MONDAY.

Up at 7 o'clock - read a little Mathematics attended Mr Maddox drawing from 10<sup>o</sup> till 4<sup>1</sup>/<sub>2</sub>. Made my first design for a Bridge. - feel the necessity of studying architecture - dined at home went to Mr Gambles at 7 o'clock - only a family party, having been disappointed by some friends - like them gambles - Mrs G. read immense - plays piano pretty well - to be introduced to Mr Doulton Engineer or Thursday home at 11<sup>1</sup>/<sub>2</sub>.

TUESDAY.

Up at 7. - Breakfasted with Mr Knight 2 past 8. - What with his talking and shewing plans did not set out till 10<sup>1</sup>/<sub>2</sub> - went to Messrs. Perrier where he being detained I proceeded to the works in London B. met Mr Gambles over the works - going on slowly. a clumsy gear for pumping. - but joined by Dr Knight till 2 o'clock. proceeded to the Tunnel.

Remained about 2 hours - kindly entertained by the Clerk of the works Mr Armstrong friend of Knight's - brought away a piece of the clay dump at home. - Studied a little Mathematics. *Wife I. page 144.*

WEDNESDAY.  
Wednesday

Up 7<sup>1</sup>/<sub>2</sub>. Drove till 10<sup>1</sup>/<sub>2</sub> some notes - orders - bought Shaffers & Delaware Bridges for the construction of the tunnel work. - went to meet to Mr Gambles at De Villes - disappointed - To Greenwood and Cox - half pay. To the Admiralty. To visit Maria McDonald. found only young Maria at home. dined with her 2 o'clock. - like her better. a good observer. opened her mind as to her feelings relative to the manner in which she was brought up. - reasoned well - shewed good sense and good feelings. - at 3<sup>1</sup>/<sub>2</sub> she went with her friend Miss Boode to purchase wedding dresses for said Miss B. - went to the little bridge in the park. remained one hour half. then to Gower, got ticket for Mr Nicholls's concert, walked to Regents Park. buildings increased immorally. home to Rev.

THURSDAY.  
Thursday

Up at 7. Lord called. in want of money to get into the academy sent him £2 - & Mr Maddox drew the parts of the order till 4<sup>1</sup>/<sub>2</sub>. thence to Elliotts & Newport & Instrument maker got drawing board & sq. dined at home. To Dr Spurgeon in the evening. - learned nothing new. - He knows faculties. talked a good deal about the Metaphysics home at 9<sup>1</sup>/<sub>2</sub> drew till 11. -



FRIDAY.

up at 7½ drawing - wrote four letters - one to W. Willis, to Mr. Deane, to Sudlow B. and to Caulfield in answer to his received this morn.  
Went at 4 o'clock to seek for Coaches going to Woodford - Start from the Exchange. 3½ past 3 & 4 o'clock. on Sunday morn at 10. - dined at home - to Dr. Spurzheim in the evening.

learned something new - concerning faculties. - ~~the~~ <sup>the</sup> difficulties being to the frontal lobe - but ~~showed~~ <sup>showed</sup> that it did not exist in childhood and seldom in adults - but in old age when the brain like every other part of the body decays. - studied Nicholson's perspective for an hour & half - the best work of the sort I have ever seen for landscape draughtsmen, but not sufficient detail for architects. -

up at 7. - read Nicholson's perspective - very good as it goes, but not sufficient for an architect, tho' fairly adequate to the purposes of a landscape draughtsman. - Received a most delightful, gratifying letter from my dearest Mary. - giving an account of the accepted proposal of Mr. B. Dwyer for Bessy. I cried & felt a combined feeling of joy for the happiness of my friends, of gratitude to <sup>the</sup> great disposer of all things, in having rescued a thoughtless, & careless dear girl from the unprofitable accusations afforded by a country town - wrote an answer to Kinsale. - Left no dinner - went down to Woodford. After to visit Rev. Dr. Holt & his wife with whom I had been as scholar 1810-11. Linton, Camb. & left Exchange 4½ arrived at 5½ - 8 miles - met with an agreeable reception. Mrs. D. much altered - more sensible than her husband, with less learning - a little laughably disposed - but tolerably candid. - 4 daughters not interesting. - Margaret the best head, understands Latin &c. Mary Anne another instance of the exposure of the upper gums - as cold as the N.E. - had some music played & a play in which I figured - Supped at 9½ hot - bad. - in bed after 11. -

SATURDAY.

up at 7. Walked for an hour before breakfast - many beams of my bag had crowded upon me - not disagreeable. - To Church a sermon from a single word epiphany morn. - dined at 2 o'clock. - Took a walk in Epping Forest by myself after a full indulgence of imagination - charming evening - a little mist. Eye & consequence effected. - Read a sermon in evening - servants called in as usual - so diff. in poor Ireland - one of the Dr. Sermons - presented me with a copy - not very good.

SUNDAY.



MONDAY.

up at 7. - breakfast at 8 $\frac{1}{4}$  - Dr. Oke's eldest son studying Engineering under Mullington - some faculties for the Arts - left a want of ripeness - started at 9 $\frac{1}{2}$  o'clock on coach arrived at 10 $\frac{1}{2}$  at the Exchange - there and back 5 Shill. requested to pay visits often - Mrs O. anxious for my system of reading. - went to drawing master - too ill to give instructions - I had observed illness advancing, he would not take it in time. - men in small cases to blame only themselves for want of acknowledgment the truth or seeing things as they are - dined at home - Spurzheims lecture evening - one of the most interesting principally upon language. - vide Appendix page 129. -

TUESDAY.

up at 7. Studied Trigonometry - perspective - to British Museum. read P. Nicholsons perspective & Taylors treatise - F. Nicholsons the best of all. purchased a box of colours Smith & Warner, being an artist they let me have it for £1. 12 instead of £2. dined at home - drew in evening & practiced Violin & played it all. -

Received an invitation to dinner from Sir Stamford Raffles 23 Lower Grosvenor St. -

WEDNESDAY.

up at 7. Breakfasted with Cap Stephens. played duets - engaged his Violinello Master Mr Haggart 4 lessons a guinea - two of week. - & Greenwald received the sp. - visited Frazer - the same as I left him 7 years before, in manner and ideas. - dined with Mrs McDonald at 2 o'clock. went with young Maria to see Mr Hays dressing box - Silver gift - cost £1500 sold for £50. - the workmanship quite beautiful, and the whole magnificent. - handle of Shaving pot Carved from the whole magnificent. - handle of Shaving pot Carved from the whole magnificent. - Went to Bridge in work. - saw the sections & illustrations got up ideas determined to go under either a Stone Mason or Carpenter. - drank Tea with Mr M<sup>d</sup>. a little bad piano forte playing in the evening. home at 10 $\frac{1}{2}$  o'clock. -

THURSDAY.

up at 7. Studied a little perspective and Greek Architecture. - To British Museum at 11 $\frac{1}{2}$  read Phillips Introduction to Mineralogy and Geology. - very much to the purpose took a walk for an hour & half. home and transcribed the notes made at Museum &c before dinner. - hoped to have had a study of Virgineles. interrupted by Mr Knight - stayed till 11 $\frac{1}{2}$  - fatigued. -



FRIDAY.

up at 7. First lesson on Violinello from Mr Haggart.  
 from 8 to 9. Haggart a pupil of Lindley & first  
 Violinello at Drury Lane. admirable method. gives  
 me every hope of being a good player. - To Mr Madox  
 drawing for 10<sup>3</sup>/<sub>4</sub> till 4<sup>3</sup>/<sub>4</sub>. - Don's order. - dined at home.  
 To Moscheles Concert at 8. a great deal of it first rate  
 Moscheles the finest pino<sup>f</sup>. I ever heard. - F. Esterházy  
 a fine flute. wonderful execution. - can't play an air so  
 well as Nickolson. On Guard etc. admirable. - Mr. Cornaga  
 horrible. - Moscheles' recollections of Ireland very effective. -  
 but Thierswell<sup>r</sup> delighted me most of all. I can't conceive  
 anything on the violin finer than his performance.  
 Mayröder in perfection. - did not admire Mr Brahms.  
 too much for feeling a perverted taste & false execution. -  
 home at 11<sup>1</sup>/<sub>2</sub>. -

SATURDAY.

To London Bridge a little after 10. - getting on slowly.  
 hearing of stairs at abandonment of Brick erected. - Talking down  
 a portion of the old bridge, a nervous business. - met half-past  
 away one arch, throwing a truss across abutting against the two  
 adjacent. - at 11<sup>1</sup>/<sub>2</sub> went with Mr Knight by water to Isle of Dogs  
 saw the stone field - magnificent - and the centering for the  
 bridge. all on the triangle principle very simple. 14 inch  
 timbers. - To the West India Dock. the most splendid work  
 in any country. - The flat & gromings in vaults & every part.  
 The work is so fine to the shed not foundations enough - obliged to  
 introduce two x tra wrought iron tie beams. - Trade increasing  
 so much as to induce the proprietors to erect new ware houses.  
 dined at Artichoke. - Cap<sup>t</sup> Harrison, deputy superintendent  
 a friend of Mr Knight's came in after dinner. - invited us for  
 tea at his house. - no help. - a little speech. - would pay all  
 expense. - a good head and energetic. - complete sailor old style.  
 walked home at 10<sup>1</sup>/<sub>2</sub> Knight a little tipsy. consequently hard to  
 manage. love of admiration & self esteem every moment in operation  
 with little wit. - felt the good effect of Phrenology. saw him come  
 all right. arrived at Gloucester St 12<sup>1</sup>/<sub>2</sub>. - much fatigued. -

SUNDAY.

up at 7. - read news of the Week. Mechanics Magazine  
 wrote two long letters: one to my dearest friend  
 Mrs M. & one to my dear sister. - Had one of  
 Dr Oker's sermon - very ordinary. -  
 dined at home. To Miss Wilsons at Russhel  
 Sq. to tea - nothing remarkable. -



10<sup>th</sup> Day of April

MONDAY.

Up 6 $\frac{1}{2}$  Violinello 1 $\frac{1}{2}$  hours. - Mathematics.  
 To Mrs Maddox 10 $\frac{1}{2}$  to 4 $\frac{1}{2}$  - Dore order. Visited  
 C. Croker - read me his preface to a second edition  
 of his Fairy tales, which was enriched by a  
 letter from Sir W. Scott. - Some admirable  
 designs from the hand of Miss Clever of Cork  
 to illustrate. - dined at home to Spurzheim's  
 lecture in Ev'ng. Very good - relative to the great  
 difficulties in the practice of Phrenology - find that I  
 had received the first ideas of the science - spoke of its  
 application in the selection of either a friend or wife. -

TUESDAY.

Up at 8 $\frac{1}{2}$  Mr Haggart Violinello - To British Museum  
 studied Phillips's Geology from 12 to 4. - Went previously  
 to Daniels found my Violinello & Books arrived - ordered  
 brown coat - top of dress shoes. - home to dinner - to Mr J. C. Donald  
 in Ev'ng. found Miss Emma B. arrived to settle arrangements  
 for E. S. marriage to Mr Wilson - Delighted to meet - brought back  
 the most agreeable recollections connected with my boyhood having  
 passed much of my time at Doddersdale Park. - The feeling of attachment  
 to it stronger than to home. - Oh! how necessary is it, to guard a right  
 impression on our feelings particularly organs of adhesiveness in the  
 time of our youth when those propensities & feelings are alone active.  
 Went to a party with Mrs M. & Maria at 10 $\frac{1}{2}$  Clock Mr Skinner  
 Portland Place - just in old style - all the gratification of love of  
 approbation &c. - boring one another for society - dear friends &  
 loved you more than ever. - home at 2 $\frac{1}{2}$  Clock - fatigued -

WEDNESDAY.

Up at 8. Lord B. don Juan - To Mrs Maddox 10 $\frac{1}{2}$  to 4 $\frac{1}{2}$   
 the orders & some problems in perspective. - weather bad rain  
 wind - Thunder. walked till dinner - to Spurzheim's lecture  
 in Ev'ng - on Insanity - shewing clearly the cause to be  
 in the derangement of functions of the mind - a corporeal  
 disease. - see his work - the doctrine evidently startling  
 to many at lecture. much applause - shewing some  
 conviction. - to bed at 10. -

THURSDAY.

Up 8 $\frac{1}{2}$  English exercises - grammar. - To British  
 Museum from 10 $\frac{1}{2}$  to 1 $\frac{1}{2}$  to Mr J. C. Donald to  
 dinner visited Mr Skinner 23 Portland Place & Sir  
 J. Raffles to the Park Bridge - begin to have a clear  
 understanding of the process. To Tea with Mr W.  
 but one of the party many ideas common with me.  
 Love of approbation & acquiescence ruling passions.  
 saw Emma & her Mr Wilson - a good looking fellow  
 a pretty but not a strong head - much acquiescence & imagination

good S. n



FRIDAY.

up at 6 $\frac{1}{2}$  English - Read lesson on Violinello  
to Mr. Madoc 10 $\frac{1}{2}$  to 5 $\frac{1}{2}$ . Architecting.  
dined at home. - received a note from Sir  
S. Raffles wishing to see me relative to Arque  
& Surveying, in consequence studied Gibbon's  
Surviving till 11 $\frac{1}{2}$  - a note from Capt. Mudge  
wishing me to dine on Sunday. - To J. Sparghams  
last Lecture of Education. most interesting  
vide Appendix  
129-30.

SATURDAY.

up at 6 $\frac{1}{2}$  read Mineralogy - to Sir S. Raffles  
at 10. - wished me to print in the names of  
all the Lanes & Rivers; and to look over and  
compare a map of Sumatra engraved by  
with one done there. - agreed to go to him  
every other day till all was finished - wished  
received a letter from Mr. Willis - Langw.  
for 3 hours - home and dined at 2 O'Clock. The O'Clock  
dined with me - down to his Father's Woodford 4 $\frac{1}{2}$   
found an agreeable & sensible Frenchman in the  
house. who came to learn English. - much  
conversation upon Education - found their  
minds opening - not so much opposition to my  
Phrenological ideas. - Music in Evening.

SUNDAY.

up at 7 $\frac{1}{2}$  read a chap. of Gellius's travels  
in the Alps of the Switzerland. a most interesting  
account of the Vaudais & Waldeuses. - The religion  
of the Vaudais appears nearer to my idea of the  
pure doctrine of our Saviour, than any other  
in existence. - they have existed from the very early  
periods; and tho' surrounded by enemies and  
persecuted beyond measure, yet have they  
retained their purity undiminished. Their clergy  
had been allowed a pension by L. Anne & after; but  
it had been unfortunately discontinued, making  
the poor clergy still poorer. ~~the poor clergy still poorer~~  
~~the poor clergy still poorer~~ to Church. dined at 2. met an old  
upside a ~~upside a~~ ~~upside a~~  
school fellow Mr. Thwisch - walked with Mr. Thwisch  
Yerres after, much conversation relative of France.  
Reading & play on reading in Evening Mr. O'Clock and  
Reading & play on reading in Evening Mr. O'Clock and  
all apparently delighted. - I attend



MONDAY.

up at 6.2 finished the account of Walbourn  
and Vaidair. - left Wardford at 9 $\frac{1}{2}$  with  
The 1<sup>st</sup> Dragoon Regt. with Mr. Marton 11 -  
To the admiralty 2. - to meet Mr. Hall  
who is also studying engineering. engaged  
him to dine on Wednesday. Hope to derive  
some information from his knowledge of Geology  
& Mineralogy. back to Maddox till 6 O'clock -  
home to din. a letter from my dearest Sister Maria -  
all happy - an excellent account of my beloved  
Violinello -

TUESDAY.

up 6 $\frac{1}{2}$  Violinello - To Sir S. Raffles at 9 $\frac{1}{2}$  -  
worked on Map of Sumatra from 10  
to 6 O'clock. - dined with Sir Stamford  
met Mr. Hull at dinner - going to be  
married to Miss Torriano. - To the  
Garden 7 $\frac{1}{2}$  in time for end of first act of  
Trabers. Oberon Lady M. having expressed a wish  
to see it Sir S. immediately sent for Carriage. -  
splendid scenery - one Trio quite beautiful  
the rest not interesting. - home at 10 $\frac{1}{2}$  -

WEDNESDAY.

up 8 $\frac{1}{2}$  English Grammar - to Mr. Maddox 10 $\frac{1}{2}$ .  
a visit Cap. Mudge Tower 20 $\frac{1}{2}$  - purchased some  
Prime - back to Maddox till 5 $\frac{3}{4}$  home, Mr. Hall  
to dinner. - gave me an account of the new Astor  
business - melancholy - some good ideas  
relative to geology - considers it absurd giving  
the name primitive substances when they are  
forming every day around us. - To Sir Brother  
a Evening - met Mr. Smith - saw a duet - much improved.  
a splash party - nothing particular home 12 $\frac{1}{2}$  -

THURSDAY.

up 8 O'clock - To Sir Stamford R. worked on  
Map of Sumatra from 10 till 5. - fatigued.  
home to dinner. - Violinello. -



Drummonds Light - Mr Brunel & 57  
1816

FRIDAY.

up 6  $\frac{1}{2}$  4<sup>th</sup> before on Violoncello - To Mr Maddox - drawing from 10  $\frac{1}{2}$  to 5  $\frac{3}{4}$  - introduced to Mr W. Michelson - showed me a design for a wooden and chain Iron Bridge - grad - particularly the road way ~~of the~~ <sup>of the</sup> moving faculties strong - bad mouth <sup>of the</sup> quite crooked - dined at home - carpentry & Violoncello in evening -

SATURDAY.

up P. English - wrote a part of letter to my dear Mrs Newman - visited Traverses 60 South Audley St - To Mr Brunel Bridge at Blackfriars. presented my letter from Mr Kingdon - received one most kindly - showed me plan of machinery of Tunnel - beautiful - the idea of shield taken from the movements of man - leg first &c - To the Tower accompanied by Mr Brunel - entered into a detail of the construction of the Tunnel - a fine head - but upper part too large in proportion. Eye brow rather weak - At Tower witnessed the Drummond experiment on light - produced by jets of oxygen upon lime over an Argand's spirit lamp. The light far superior to any other - our ordinary reflector and the French lens totally eclipsed - Trigonometrical observations taken at the dist. of 60  $\frac{1}{4}$  miles. Most of the clearest men in England attended. Messrs Hurdzelle Hollett - Dr O. Gregory - Barlow &c accompanied Mr Brunel home who invited me to dinner Sunday week. - To Mr De Villiers who gave me a most correct opinion on my head. purchased a copy of Spurr's Education for Miss Oakes & his last work. - To Mr W. Donaldson to Tea.

SUNDAY.

Wrote a long letter to my dear Mrs Newman & to Mr Kingdon - down to W. Harris (Capt Mudge) to dinner - a most cordial acceptance from himself & wife a small cottage but the most perfect order and neatness. The sight of his dear little children brought up my recollection the time of his marriage & of my fortunate escape - back to Town at 10. dined with Mr Gaymes at dinner - Mr Chapman in evening.



MONDAY.

up at 6½ English grammar - To Mr  
Maddox 10 to 5. - finished Doric Order.  
projected shadows. - home to dinner  
7 o'clock - Mr Hall paid a visit to Linn  
& Mr Knight. condemned New Market Bridge  
Cork. - promised to show me a different method  
of piling foundation. - H. has a higher opinion of  
J. Pennie than Geo. B. considers G. speculative & little.  
Cap. W. a higher op. of G. B. no  
comparison.

TUESDAY.

up 6½ Violinello - To Sir S. Raffles worked  
at Linnæa from 10 to 5. - introduced  
to Sir Humphry Davy - a very strong  
countenance <sup>rather</sup> short <sup>features</sup> dark - bilious Temperament.  
Head not apparently large but very full -  
a very steady look. - no affectation in it -  
home to dinner - tried to read - eyes too much  
tired - Violinello. - -

WEDNESDAY.

7. English exercises. - To Mr Maddox  
9½ to 6½ projection of shadows -  
much pleased. - home to dinner  
read a little chemistry - eye too  
much exerted during day - Violinello  
received an invitation from Mr Peter  
Turnbull (30 Nottingham Place) to dinner  
Friday - a little bilious - want of exercise.

THURSDAY.

6½ English exercises - To Sir S. Raffles.  
10 to 4. - introduced to Mr Greenough  
President of the Geological Society -  
small head - nothing striking  
Sanguine Temperament - To Elliotts  
instrument maker for 1½ hours - went then  
to work shop - bought the first pair of dividers made of  
the new metal *Electrum*. - dined on oysters & lobsters &



found immediate good effect. -

FRIDAY.

up 7. English - ~~Spent~~ To Mr  
Maddox 9 1/2 to 5. - To dinner with Mr  
Lumbell in Col. Jones late of Yre; very talkative  
Mr Robinson, China merchant. Speculative  
Head. - Excellent dinner & service - conversation  
all political. - home at 12 O'clock -

SATURDAY.

up 8. To Sir S. Poffles - too ill to do any  
thing - visited Lawrence Ramsey Brunel  
to London Bridge - going on rapidly  
cutting off the heads of piling of the Queens  
to rest the centres upon them. - Like the  
centres to Blackfriars better, because stronger  
in the middle - the great object is to large an  
arch. - To New Custom House with Mr Knight  
saw some of the <sup>stone</sup> foundation - nothing could be worse  
piles so crooked as to vary 7 in in 10 feet. =

Mr Knight's new foundation appears very good - not  
but river gravel & lime - (Gilford). - & piling.  
N.D. No class of persons more necessary to watch than  
pile drivers. - dined at home secured a letter  
from Caulfield - answered - Mechanics -

SUNDAY.

8. Old Testament Historical. - wrote  
two letters to Caulfield & Transp. - visited.  
Maria McDonald - met the Gibbings -  
at 5 of Berners St Oxford St - walked in park with  
young Maria - little idea of domestic life -  
satisfying brought up. - To dinner with Mr Brunel  
Bridge St Blackfriars. - Mrs B. & two daughters  
& son - one daughter married to Mr. Hawes  
who showed us a receipt of Oliver Goldsmith in his  
own hand writing for 5 received on account for 100  
of Wakefield - Mr L.B.S. Mr. ~~Abraham~~ Tablin  
a clever vulgar Irishman - Brunel gave us an account  
of the rise of the railway by making the first machinery  
at Portsmouth - showed us the first tool made in 1800.



MONDAY.

Show plans & elevations of carbonic acid gas machine - acknowledged himself indebted to Mr Faraday F.R.S. for the idea & not to Sir H. Davy - who appears to be very jealous of Mr F. consequently guilty of littleness. - Had the greatest idea the weakness of poor human nature!! - received strong expressions of good will from Mr B. hoped to see me often. -

Up 6½ Grammar, English - Invention reports. To Mr Maddox 9½ to 4 commenced construction in detail for house - visited gibbings - dined at Mr Polinello - Mathematics & Invention. -

TUESDAY.

6½ Grammar - Polinello Mr Haggart. Algebra - found had forgotten some of it. 1½ to Royal Academy - considered not so good as heretofore - some beautiful productions - Sir J. Lawrence best portrait painter, particularly of ladies I ever saw. Not only the natural expression of female delicacy, but the refined manner of high life. dined at home on sisters - being belated felt good of it. Algebra even settled a dispute between a lodger & Spaniard and landlord in favour of Spaniard. -

WEDNESDAY.

6½ Grammar - to Mr Maddox 9½ to 5½ Construction Architecture - finished outline of plan of house - Frederick Gamble dined with me - agreed to go down with Mr Provis architect Engineer Manairbridge in course of week - J. G. Harding speculated in the funds gained £20,000. without either the knowledge or a question from his father - used to entertain his father at his own house - not 20 y. - lost all and more by too much prosperity, neglecting his business and giving it to others. - Learned Engineer. - Very clever.

THURSDAY.

6½ Algebra - went with Mr F. Gamble to Mr Palmer C. Engineer. served under J. Telford. Showed model of his newly invented rail road and the little toy which originated the idea. - spoke of the very arduous pursuit I had undertaken recommended establishing a foundry & factory in Cork for tools & machinery. - state to succeed with the aid of time.

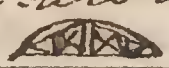


Col. el. Mr. E. -

1896

Received note from Cap. Mudge stating that I had been proposed at  
of Mr. Henry, a very able Mechanic & Engineer - very  
polite - said he should be very happy to be of service - to  
payal accompanying with Mr. Donalds - freedom they having gone  
only to have it to say they had been - not except dinner  
obliged to have some eggs - - some to meet Mr. Henry  
a long conversation - of concentrated look and a  
practical head - nothing sinister - took down a long list  
of questions - wrote immediately to Frank - organ of  
hope strongly excited -

FRIDAY.

up 7 - Violinello Mr. Haggart - To Mr. Madrox 10  
tile 5 1/2 constructive architecture - improving - after  
dinner to Bridge in Park tile dark - Eleven pieces of  
centering  to one arch -

6 1/2 Algebra - a visit from Ford to tell me of his  
arrangements - has engaged Kinswiter, Schunk, &c  
to go to Ireland & £400. £50 more if successful.  
made extracts from Tredgold into Engineering Book.  
To London Bridge - tide too high to pass by river.  
To the Tower - Cap. Mudge - gave me a letter of introduction  
to Mr. Bidder the famous calculator, in Mr. Palmers  
office - - purposed going down to Woodford - day too  
cold & raining - home to dinner - read Phenological Jour  
article concentration - don't agree vide Appendix 130. -

SATURDAY.

up 6 1/2 studied the scriptures - Historical portion  
of the old Testament - pray for strength to  
act from hence forth the right part - Two long  
letters to my beloved Anne & my dear  
friend Mr. H. - Spurzheims last work - that  
port relative to religion and morality -

after some just reasoning, he comes to the  
conclusion, that in this life religion  
consists in morality: and that religious  
regulations, are only auxiliary means  
of rendering manifested morally good.

SUNDAY.

visited my fellow lodgers Count Barton  
& Lady - like most warmers. The Count an  
Liberal & Spanish refugee - - Walked for 1 1/2 hours  
towards Islington - Phenology evening - To Barry's  
some very good music Quirets N. O. & Shaw last - a few better  
played Mr. Lucas - a Quiret of his comp. some of it good.



MONDAY.

6½ Transcribing into Engineering book. -  
 To Mr Maddox - finished plans of two stories  
 11½ to 6½. dined at home to the Gymnasium  
 near St Leger - a very good situation.  
 M. Volcan professor - held meeting of journal.  
 tomorrow morning - got a ticket - \$2.6 per month  
 delighted to find it gaining ground. -  
 went at 10½ to visit Mrs. J. Gibbins some improved from  
 M. Pallas instructions - acquired more vigour which was to much

TUESDAY.

5 o'clock. to St Leger - Gymnasium - some delay  
 owing to the necessity of arranging the classes.  
 out of classes found myself in 3<sup>rd</sup> class according  
 to height, until the strength of the parties are known.  
 scarce a gentleman amongst them - MacLennan &c.  
 but, feeling the necessity of systematic exercise  
 determined to proceed. Mr Haggart kindly all  
 8½ to 9½ - to Sir S. Raffles. 10½ to 5½ in Map. -  
 dined with Sir S. R. to opera evening - Norma & Julietta  
 the opera wants vigour sadly - never desire to hear

WEDNESDAY.

at again: but, Mr. Pallas who I heard for first time  
 surpassed my expectations - voice only remarkable for  
 the perfect command under which it is: and this directed  
 by the most perfect taste & <sup>together with greatest vigour and delicacy</sup> ~~consequence~~ judgment, former.  
 a piece of perfection in singing that I have never known  
 equalled - Head very large - neck thick - bilious temp.  
 frontal particularly well filled up - well defined  
 brow - something like the portrait of Bonaparte. Some  
 remarkable chin. - Received letter from Cadby. Book - relation and

5½. Transcribed into Engineering Book - relation and  
 absolute strength of materials. - M. Maddox architect  
 10 to 5½ Elevation &c - dined at home. -

THURSDAY.

6. English Grammar - transcribed -  
 to Mr Muncie - To Maddox's Foundry. Every  
 thing of the first-rate description - one steam  
 engine of 10 horse power - drives all the machinery.  
 each part being brought in contact by means of  
 shafts & traps &c. <sup>similar to the Black</sup>  
 the casting very interesting. when the metal is in solution it  
 machinery - <sup>cast</sup> ~~conveyed~~ <sup>by means of a ladle</sup> which is  
 moved by a winch to any part into the sand moulds, thro'  
 two holes - small air holes are made in the moulds. -



to allow the air to get away. -  
John Rogers Dinner. Laughan Coffee House, Bridge  
St. - Mr Telford in the Chair - a large assemblage. - Rev. A.  
Hunt & Sir John Malcolm & Dr Gregory in his speech, mentioned  
a singular & beautiful & extraordinary astronomical discovery  
that what had been considered as one star, is now found to be  
to be many & revolving round one. & transmitting different colored  
rays of light. - Not very gentlemanly set of men. - Home at  
11. O'Clock - caught cold in head. -

FRIDAY

Up 5 O'Clock to Gymnasium from 5 to 5 1/2 - Mr Magart  
presented - To Mr Maddy Construction architecture  
till 5 1/4. - Dr visit from Mr. Hall in evening, -

Weather very cold N.E. lot seen. -

SATURDAY

Up 5 1/2 English - cold work. - Capt. Stephens  
breakfasted - took to hear Miss E. Gibbins - delighted.  
looked out for another lodge. To London Bridge  
with Mr. Hall. could not see the works, being so long  
detained by Mr. Knight's talk. - A proposal  
from Mr Knight to go into Remond's office  
as a draughtsman - to receive payment  
a month to consider. every hope of Hall be  
enabled to accept. Haden to Woodford - all  
appeared glad to see me - as proof of numbers the  
Sunday I had been absent. Mr. Verne particularly  
happy. - Merice in evening - some conversation  
on mental philosophy. - Their prejudices giving  
way a little. - The Dr. (Hill) still holding out strong against

SUNDAY

7. Cold not better. did not go to Church.  
made some valuable extracts from Dr  
Oakes Bible - translations from Latin & German  
making many passages in the Old Testament  
clear, which from the incorrectness of our  
translation, are very obscure. - In fact more  
valued in even. made a sketch of a willow tree  
long and animated conversation upon  
original ideas. - The Frenchman (R. Verne)  
the strongest antagonist - found it difficult  
to answer him. - Took a view of the moon  
Jupiter & Venus, thro' the telescope. - The  
mountains very distinct in the moon. -



15<sup>th</sup> Day of May.

MONDAY.

1/2 Read a little of memoirs Geology -  
 another long discussion upon Phrenology  
 at breakfast 8 o'clock. - Dr. Masters book  
 being the only one, which they have, - a bad  
 impression has been made - The work badly  
 written. - Notwithstanding Phrenology  
 triumphed by the Dr. getting into a passion  
 when he could no longer argue. - Mrs. B. with all  
 her prejudices coming round. - To London 9 o'clock  
 To Mr. Maddox - basement grainstore - etc. 6. Received  
 a letter from my dearest friend Mr. P. -  
 dated 9<sup>th</sup> stating that Peppys marriage was to take  
 place of on Thursday 11<sup>th</sup> of May. -

TUESDAY.

up & cold not better wrote a long letter  
 to Capt. Ludlow. & in answer. To Bridge in  
 the park with Mr. Hale. - a considerable  
 advancement. Key stones of first arch setting  
 being a little failure on the haunches; owing  
 either to the wind of the centre shrinking, or  
 the crown rising. - To the Kensington Canal  
 down to dingies - Hale read Emerson on Canal for  
 Dublin Grand Canal. -

WEDNESDAY.

7 cold a little better. - Emersons Reports.  
 to Mr. Maddox. Section of House. the only  
 thing to be constructed - 9 1/2 to 6. -  
 To the Mechanics Institute Southampton  
 Buildings - Good Library & Model Room  
 1800 members. - This day a letter from  
 Mr. Allen informing me that I had been elected  
 member of the Society of Arts.

THURSDAY.

1/2 Cold better. - Before 1 o'clock -  
 To London Bridge with Mr. Hale. stay  
 up the works for the centre, to rest upon.  
 To Sale of Dogs with Mrs. Knight & Hall  
 made a collection of the plebeian sorts  
 of Granite. - To Mr. India Docks. The graving  
 most worthy remark upon 16 f. rise 3. 9. f.  
 dined at the Artistic - & Tea with Knight.



spoke much of going to Pennine office. They appear to require one who can turn his mind & hand to every thing. —

FRIDAY.

5 1/2 Clock. - to London Gymnasium. 6 to 7 1/2. English - To Madras 9 1/2 to 5 1/2. - going on slowly with the sections. - having given notice to my landlord that I should quit find sad want of attention. - To diversities concert. - either the selection was not good or I was not in the humor to enjoy it - did not like Sappho so well as formerly given affected. - M. Pasta the first of singers. - Miss Stevens nothing but sweetness. —

SATURDAY.

7 wrote letter to my dearest mother. - To the Tower - got a letter of introduction from Col: Colby to Mr G. Pennine. - To Stamford Street - not at home - denied at home - wrote to Mrs Wright Doddleshall about about Caulfield's House - Violently Mr Hall to Mrs. Smalton. —

6 1/2 descriptions - New Testament - finished letter to Mrs P. Studied Pharmacology as connected with religion - nothing so clearly proving the beauty of our Saviors doctrine. —

SUNDAY.

visited Mrs Wilson - heard of Mrs Blair's (Eliza Harris) arrival from India. Promised to go to Benez Concert on Friday. To Mr Turnbull saw Mrs an interesting confab on Education &c. — dined at home Took Coffee with M. Bartoni: a Deist - being unsettled in his religion evidently causes anxiety & unhappiness. - Observation General.



MONDAY.

6 $\frac{1}{2}$  Grammar - To Mr Kemmis.

A very pleasing reception - said he could not think of placing one of my respectability to do the drawing of the office. Talked of an opportunity of going out to Liberia home salary £300 to be raised to £500 per an. - requested to see my drawings - said I would make some, not having by me. He appreciated this plan much. - I made & designed and drew the elevation of a Bridge received letter from Frank & W. Newman. Three Arches 80 feet span - rise 9 $\frac{1}{2}$  feet. Piers 12 f. Segmental. - worked from 11 to 6 $\frac{1}{2}$ . Gave Gibbons in evening. Flute & Violin etc.

TUESDAY.

4 $\frac{1}{2}$  to Gymnasium 6 to 7 $\frac{1}{2}$  Mr Hazart. 8 $\frac{1}{2}$  to 9 $\frac{1}{2}$  - Mr Maddox first lesson Double. - 10 to 6 $\frac{1}{2}$ . - dined at home

To Mr Kempfies 17 Bowling Green St. Kemmings. Saw des Folle in consequence of Frank's letter determined not to proceed for the present with our projected tour to Cork. - Commas have become quite faint - over exertion. - also for two days past a heat in the throat with a slight glut - probably owing to much exertion animal & mental. - A letter from Father relative to Barnes & Co. Coach makers.

WEDNESDAY.

8. To Mr. Maddox 9 $\frac{1}{2}$  to 10 $\frac{1}{4}$ . Finished out line of Elevation & Plan of Bridge. Received a letter from Mrs. Pilott. Giddell Hall. To Mechanics Institute - lecture on Geology - a speech from Dr. Burbeck, the lecturer being ill. He mentioned a singular circumstance - a man in America sent over a model of a clock in wood, containing a beautiful simplification of machinery - shortly after arrived a clock exactly the same construction from a town in York.

THURSDAY.

5 $\frac{1}{2}$  Grammar - Mr Maddox from 10 to 10 $\frac{1}{2}$ .

Bridge. - Mr Hall in evening did little. a visit from Barnes relative to my Father's difference about a Coach - don't like the business.



FRIDAY.

5½ - till for the Bridge - To Maddox.  
 10 to 2 to the City for Ten pounds - Maddox  
 from 3. to 6½ - To Sir. Rogers Concert  
 with my friend Miss Wilson in the evening -  
 at Duke of St Albans St James's Sq. a good  
 selection - and every thing good except Madames  
 Compe (P. D. Arverde) - Pasta. always superior  
 but mouth - a comic woman - M. De Periot on the  
 violin quite beautiful the best double stop I ever  
 heard & head not apparently large - well marked brow  
 very long - and remarkably long eye with horizontal  
 sharp corners - pleasing countenance -

SATURDAY.

6½ Finished till for Bridge - To Maddox from 10  
 6½ with the exception of an hour to visit the  
 Firm of Newman & Co. - not at home.  
 purchased Quilt & Shadows -  
 and at home Gibbins & Hale in - Evng.

SUNDAY.

up 5½ worked on plan of Bridge -  
 read Philology as connected with  
 religion & morality - Literary Gazette  
 & published reports on the quality of mines -  
 to visit Miss Wilson received word  
 for Emma Pigott (Wilson) and a  
 letter from Mother requesting me  
 not to spare Coach hire - - To Mr. M. C. D.  
 not returned from Daddershale - wedding  
 to Capt. Jasper Hale - found him in  
 great delight at being a Father - how  
 delighted we are with bringing forth  
 either ideas or the recipient of ideas!  
 but how few are able to mixture them  
 or raise them from nature up to nature's God.  
 visited C. Croker - showed specimens of his wonderful



29<sup>th</sup> Day of May

permanence and little genius. -

home to dinner. low spirited - weather heavy

MONDAY.  
6 worked on bridge - Mr Barnes called  
stated that the Commissioners or Trustees  
for the Minor Gilets would not agree  
to receive £50 but that they would allow  
the charge of £6.1.0 for repairs to be deducted  
from the whole bill against Tractor viz 34.18.  
that they were desirous of seeing the account  
connected with the transaction - as they had then to  
show. - To Maddox 10½ to 6½. - dined at home Mr Hall.

Left my horrible lodging - very fortunate Hall  
was with me as the man Mr Bampton wanted to  
keep me or make me pay up to the 11½ a horrid  
illiberal fellow - found myself very comfortable  
in No 18 Gloucester St (Hayday & Boyer)

TUESDAY  
6½ very wet - congratulated myself upon  
my change - wrote a letter to Mrs Pigott  
saying that I had received the jewels for Emma.  
Mrs Hayart 12½ before concluded. - time  
so much occupied. - To Maddox 10½ to  
6½ finished Plan & Elevation of Bridge. -  
Gleed continuing

6½ wrote copy of letter to Father!

To Maddox 9½ - To Miss Taylor

WEDNESDAY.  
Martineau about oil Gas for Kendal  
apparatus. simple & effective. To Bates  
engine price of Imperial weight & make  
Abisali - best set 120 guineas - ordinary  
80 guineas. repaving name £8-10.

back to Maddox 10½ to 6½ did little  
perspective & view of Bridge. To Mechanics

Institute to lecture on Geology in evening.  
The lecturer proposed by giving an account of the  
diff. systems then commenced the practical part  
with the alluvial deposits & deluvial. S.E. coast.

THURSDAY  
6½ a letter to Mr Newman sent to Gloucester  
house to be franked could not get one - none able to post  
till a new election - To Maddox 9½ to Stamford St  
Mr Rennie not returned back to Maddox till 6½  
perspective a little puzzling - irritable. - did not do  
much. - Hall in evening



FRIDAY.

Met - 6 $\frac{1}{2}$  Maddox perspective -  
 irritable - began to feel the effect of  
 confinement - got in the bridge & pencil  
 Hall (see). Mechanics - Lecture on  
 Mechanics - the worst I ever heard  
 by a W. To place W. Knight dined with me  
 took place in Bister coach for Taddersdale.

SATURDAY.

6... Fine morning. Took my place in Bister  
 coach 8 $\frac{1}{2}$  coach late by  $\frac{1}{2}$  an hour - arrived at  
 Taddersdale 6 miles from Elybury 2.0. Clock  
 walked to Taddersdale. Had I been a son I could  
 not have received a warmer reception - the good  
 Col. (Pigott) actually kissed <sup>me</sup> as formerly when  
 a child. Every agreeable thought of my ~~dearly~~ loved  
 was centered in dear old Taddersdale and now  
 to revisit it and find the same kindness -  
 the same love. brought tears of gratitude to  
 my eyes for having been blessed with such dear  
 friends - how I could have loved Beaumont  
 had been so circumstanced! - Rambled over  
 many a well known spot - and called to mind  
 the comparative state of innocence I was in  
 when last here - and notwithstanding all I had  
 gone thro' thanked God I had learned to love and  
 again to practice virtue. - In the house Maria  
 McDonald and daughter Miss Emma Plushy and  
 Jane Bennett - would have wished any body  
 connected with London away. -

SUNDAY.

Up 6 $\frac{1}{2}$  walked over many a well known  
 spot. - To church at Quainton - "Here once  
 a storied urn records who rests below" - a  
 simple cenotaph erected by Grenville Pigott  
 to his loved wife. - Visited many old friends  
 in the village - Mrs. Tyburn inquired most  
 affectionately after Caulfield - visited many poor  
 cottages with Anne. - she gave the little presents.



5 Day of June

A sermon and prayers in Evng. all the Levant attending - delightful.

Up & walked to the woods - lovely morn. all nature appeared to congratulate me on my return to this dear seat of love and innocence.

To the feast at Quainton - feald for the benefit of the poor children - nothing to a benevolent mind more gratifying. The noble landlord the poor Levant & the industrious labourer coalescing in one common cause after church - saw Child. eat at Every cross - from thence to dance at the Parsonage - then dined ourselves - and concluded by music & dancing. returned 11.

Mr Young the good absent, undetermined parson. his Aunt Mrs B. an active benevolent old lady - plenty of love of approbation & knowing faculties.

A fearful morn. a general leave taking dear Emma & Wilson for a fortnight. Miss S. & Mary for Northampton - Mr. Bennett for Buck. & Mr. McDonald for self for Aylesbury. Col. Brown. - a most gratifying reception from Mrs B. & Maria & Maria B. & self. The same dear Nick & Dick to them as heretofore. Visited the Gaol - considering an old building - very well arranged admired Col B's introduction of Iron cells or

dormitories in place of the old dirty wooden ones. bars from each opposite cell meet in centre of passage and a chain running thro' the whole makes a fact. - many examples of the truth of Phrenology. found Maria B. a description and well informed generally. - parted with regret for the night & 10<sup>1/2</sup>.

Up 4<sup>1/2</sup> Maria M<sup>CD</sup>. settling - women generally either too early or too late. always too something dear creatures. - shook hands without friends promising to make them another visit soon, and stepped in to the coach 6 O'Clock. Mrs Maria M<sup>CD</sup> & self. arrived in

Town 12<sup>1/2</sup> - His journey proved to me the sad neglect of Maria; but also her natural good intellect. - wrote letter to Caulfield - to Miss Maccauley in Evng. recitations - not good - stayed only an hour -

called on Sir J. Raffles left Town - to Donnell's ordered gymnastic dress and two trunks & called on A. Deane. - To Madrox worked on Bridge from 11<sup>1/2</sup> to 6<sup>1/2</sup> - wrote letter to Mother. &



FRIDAY.

up 5 to Gymnastics - To Maddox Bridge  
 To Mechanics Even. an Essay from Dr  
 Burckhardt on the power of man - in which  
 he wished to show that its introduction could  
 be only a temporary evil; but tho he  
 quoted many authorities, he did not appear to  
 me to take the right view. - the machinery  
 beautiful and I have no doubt that every aid received  
 from art must prove of ultimate benefit to society.  
 The greater has not given powers to man  
 for no purpose. - Saw Mr Dean at Maddox  
 appeared much pleased at my progress. -

SATURDAY.

Wrote to Will. Newman & to Mr Foster in  
 answer to a kind letter of invitation to Woodford  
 found Phrenology gaining ground in her mind.  
 Mr Hagar pledged about to Maddox told F. &  
 Hall to dinner - found Mr. Willer had called -  
 went after dinner to visit his Tavistock Hotel  
 did not find him - made first purchase of minerals  
 10 shill. worth. -

SUNDAY.

To Willer Tavistock Hotel Covent Garden  
 To Hatchers breakfasted with Laff. Ludlow.  
 Cap. very well - come to Town to negotiate  
 for a Magnifying. With Willer to be introduced  
 to Mr Westons - famous Artist & I greet  
 Marlborough & much pleased - Intellectual  
 and Working faculties well developed - something  
 wrong about the mouth - don't like the dull texture of  
 skin - a character subject to English transitions -  
 a long conversation relative to the art - like his views -  
 To Maria M. Donald with Ludlow. saw young Maria -  
 old one had been sent; but found she had returned by being  
 servants sick - afraid to show herself, but we sleep  
 stop to dinner which was probably not convenient.  
 Home Craft. Arthur Ludlow received money for article  
 in Blackwood - a present of a work on perspective which  
 belonged to Mr Foster - home to dinner - To Series Even.  
 heard Berist - delighted - a Quintet of Beethoven  
 beautiful - quite overcome by heat of the day. -  
 sent H letter to Mr Newman & Will Newman



MONDAY.

To Mr Brunel to get ticket for Tunnel - under a new regulation - Wednesday & Friday, only days of admittance. - showed him my design for a Bridge - much pleased - told him I was going to Pennie - said I could not do better, but in the event of not agreeing with him, he would be happy to have me in his office. - To Pennie not at home. Back to Maddox - perspective 6 O'Clock - Cold Bath Cold Bath Sq. much refreshed - dined to dinner to De Villes l'egl. a correct char. - Andrew his great strong last frame or love approbation. - Cerebellum full. feelings full. secretiveness. conscientiousness full. construction full. acquiescence full. - Causality rather full. - also knowing faculties - colour small. When alone rather disposed to despond. Society always excites. - wants perseverance owing to a want of firmness, but to a division between the knowing & reflecting faculties an active organization.

TUESDAY

Studied shadows - intended going to Tunnel, but the day changed Mr Hale called. visited Behnes Musculature many beautiful productions. anti-phrenologists owing principally to a cast taken of the head of Tarthel - not attributed. The Tarthel's head is clear to an experienced phrenologist yet to the inexperienced a stumbling block. -

To the Society of Arts first time - paid my subscription 2 Guineas very much delighted with the conceptions & drawings of Barry but coloring poor. - To D. Villes much interested in hearing & seeing him pronounce upon heads in general very correct. - Villes & Hale dined with me & to visit Mr Newgrave with Villes in Even. Not at home - wandered about till 11 O'Clock - Regent St. St. Martin's Church &c to see effects of light & shade - speculated on our future prospects.

WEDNESDAY

Perspective - an old work lent me by C. Croker. belonged to poor Mr. Foster who committed suicide. - To Mr Brunel to meet Mr. Vines to take him to the Tunnel - Brunel accompanied to St. Maudslays - the Tunnel advanced 130 feet - working at the bottom in the gravel - much loam in the clay. - To Mr. Brunel's evening - Brunel on the ground playing with his grandchild & delightful - played whist.

THURSDAY.

An indication of inflammation in left eye. Wrote to Mr. Raffles in answer to an invitation to Highways. - To Maddox - perspective - to Pennie. showed drawings - satisfied - desired to call tomorrow upon Mr. John R. - great caution evident in Mr. George Pennie with secretiveness. - back to Maddox. Villes called for me 5 O'Clock - took a cold bath. Cold Bath Square - Villes dined - to Mr. Newtons in Even. Mr.



& Mr Chalson. Dressed of gaily shone Mr  
 & in all the party but myself. It produced more  
 absurdities than wit. - Mr Norton very musical.  
 home 11 1/2.

FRIDAY.

a very little inflammation in eye went off.  
 To Maddox. - To Remmie, 10 1/2. - Saw Mr. John,  
 Remmie - after setting forth the difficulties with  
 which an Engineer has to contend, came to  
 some understanding. I was not to expect much  
 salary first year, but should increase according  
 to my capability. - Left my address to Remmie.  
 Design for bridge. - Violent fever Eves.

SATURDAY.

English Grammar - To Maddox perspective  
 the Science. - Went over West Bay day & Burgess  
 Book binding concern. - much pleased?  
 Wages of workmen 35, 32, 30 shill. & much  
 has paid 50 sh. - men will only work some times  
 three days in the week. - In evening saw Mr. J.  
 Cornillat Balloon from window. this gentleman  
 has established the practicability of sailing horizontally  
 in any direction at a given point of elevation. Violent.  
 Eves.

SUNDAY.

Old Testament Lecture - Crofter Croker  
 to breakfast. just returned from Blackvale  
 having been up all night discharging - opened  
 a mind little to be envied - great one  
 elevated thought. - regretted that so much  
 of the day should have been expended listening  
 to the discourse. - Wrote to my dearest Mr. J.  
 to my father recommending Mr. Hale as  
 Secretary Cork Institution. - Visited Maria  
 & Donald. - too late for dinner - after seeing them off  
 to Kensington Gardens returned to my own solitary  
 dinner. my visit giving me much food for  
 reflection. - Either I must be wrong or that great  
 portion of the great world or gay world must be  
 dreadfully sinful. - God bless me a right. - Read  
 and wrote the remainder of day.



MONDAY.

To Maddox perspective. - Willer called 3 $\frac{1}{2}$  to water colour exhibition. delighted. His school peculiar to the English. Copies of the best. particularly in water pieces. Front of building Robson very well. but wants paint. very lady like. Mild good. - Stephanoff fine. Salla Mark piece wants effect & detail beautiful. - Richter admirable but his Annette & Leubin is rather too indelicate. - Barrett also lady like - dined at French house St Martin's St. To Drury Lane Pit. (best part of the house). Freischütz quite charmed. the more it is heard the more it will be admired - effects bold and striking. no little things - decidedly the best work of Weber. - Supper in the Strand. Willer in great spirits - said a great deal about his former course of life. he loves virtue but finds it hard to practice - home 12 $\frac{1}{2}$ .

TUESDAY.

To Maddox perspective. - Received a letter from my dearest Mrs. and Mrs. J. - got two opera tickets Leodora & I to opera Medea (for Mayer). He appointed much of the Hippini school, with an effort at the sublimity of Weber. but no. - the lights and shades a piece of keeping broad and masonry - are cut up and

splitter away to the destruction of all effect. The finally to first act very fine. also scenes between Jason & Medea ~~in scene 1~~ in Quattro scene 8<sup>th</sup> beautiful song in scene 2<sup>nd</sup> M. Caradori (Creusa). Caro albergo in cui felice. - Andrett Medea & Jason. Eccola in caccia a lei. - Duetti Jason & Creusa (second act) from Palpitato, mia vita. - (Giasone) met J. Webb returned from the continent

WEDNESDAY.

English - To Maddox - Ludlow & Willer dined out with the Rev. visited the wonderful Dog - not more wonderful than poor Derming. The owner could not teach any dog that had not spirit. no beating. all repetition and good health. - To Phila. Murray with Willer introduced to Mr. Smith. permission to print.

THURSDAY.

Wrote letter to Mr. Dunn in answer - called upon Willer. To Watlets for Ludlow. To Kings exhibition of Paintings - collection splendid. Dutch & Flemish School - Rembrandt portraits perfect - his last decades want aerial perspective. don't like them. - a curious picture of Granet (French Modern) great effect of light and shade. - To opera - Felicitas benefit. Aureliano in Palmyra His voice unequal in its tone. middle disagreeable. the perfection of science and taste. but no vigour. no depth of feeling. never would affect me



FRIDAY.

Breakfasted with Willers & Charles St (Middlesex Hospital) to meet Ford and offer some advice as to his future proceedings. Brought forth Phrenology to strengthen my observations. Not approved of by Willers who feels yet doubts. his want of individuality and too much gaitly (orgon) prevent his seeing clearly. observations general with regard to gaitly. - Ford appears promised to exert himself in the manner I laid down and compose an opera. - To meet Ludlow walked - to Pansteriomachia. Battle of Poitiers. useful for children in showing the mode of warfare in 14<sup>th</sup> Century. - To Heighwood in S. Ruffles near Hendon Middlesex. to finish map. Sir S. not well. spoke therefore little. a lovely spot. Hill & Dale but no purring stream. Man over grass going - not much but the four horses had passed over him. -

SATURDAY.

To work on map 18 O'Clock at it all day, with only a short time for meals. till 8 $\frac{1}{2}$  o'clk. - Sir S. much fatigued. The time when not employed on map very heavy. what with Sir S. & bile and the want of greater excitement he scarce condescended to talk or rather dictate. Lady B. followed his humour.

only learned that there was much opium in Settle and that Heighwood was once the seat of Lord John Russell he headed in the reign of Charles 2<sup>nd</sup> in the wood is Lady Russell's monument. a good observation of Sir S. relative to Destructiveness. he called it powder. -

SUNDAY.

Read Mr Willerforce's work on Christianity most rational most interesting. determined on purchasing it for dear Mr Newman.

his reflections upon the passions. shewing how necessary they must be, in preventing that heat & warmth, which in scripture is

condemned. and of giving vigour & energy to all action - are most just. To church at Hendon. old Saxon - nothing interesting much patched. - To work on map after church till 8 $\frac{1}{2}$ . - Specter of going to Leir as

deane - Sir S. ideas correspond with my own better to hazard much than an honorable pursuit, than live with what is called independence doing little. -



MONDAY.

Left 5: To Maff. - Took my leave of  
Highwood at 8: Weather prodigiously  
warm Thermometer 80: in shade - agree with  
me well. - G. still continuing. - In town by  
10. To middox perspective. - Hall is very  
stupid enough. -

TUESDAY.

To Mr Maddox perspective from 9 $\frac{1}{2}$  to 6 $\frac{1}{2}$ .  
Nearly Master of the Science. Some dinner  
Quarterly Edinburgh. a most admirable  
article on the London University written  
it is supported by <sup>Mr. Cauley</sup> ~~Mr. Brougham~~. Every idea  
so entirely coinciding with what I have long  
thought & said. The Establishment of the University  
will decide the change which is already taking  
place in modes of Education. - Volincedo -

WEDNESDAY.

Made notes from Article London University.  
Read article Civil Affairs in Ireland. It gives  
a comprehensive view of the invaluable  
evidence given before the Committee of  
the House of Commons. To Maddox perspective. - Will  
to dinner. To Lecture Mechanics Institute. Geology  
end of Chalk. New red sand stone - most general  
thro' England in which are found Black salt mines.  
and gypsum or plaster of Paris, depth of this stratum  
not known. Much hail today & Thunder. The hail of a very large  
size.

THURSDAY.

Wrote a letter to my own. Went out in search  
of p. of light spectacles. To Miller. Spent  
about to Mr Newton. introduced to the famous  
engraver J. C. Due visited the automaton  
Calculating boy ancient armoured. In the autumn  
Wonderful Mechanic. Calculating child only 6 years old.  
a strong Physiological evidence. The muscles immediately  
over the organ very much in action. Much force in



FRIDAY.

The Head. The parents hope to Educate him for a Mathematician  
wants Locality for Astronomy - dined with Mr Newton  
gave a melancholy account of the higher rank of literary  
men - perfect gentlemen with intercourse, but malignancy  
always behind the back - what blackness does this possi-  
not conceal! - Wrote letters to Sudlows to Cap. Stephens  
J. Aldridge Head article Timber trade & clear  
proved what a tremendous loss has been sustained  
by the Country in consequence of the absurd duty of 3d  
a load upon Norway Timber. in order to encourage Canada  
To Madley from 14 to 3 to Willes dined in Woburn St  
saw him off in Bristol Coach - he left London with  
sorrow - ~~of Bridgman Park~~ -

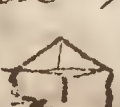
SATURDAY.

Had quarterly Review. Breakfast with  
Cap. Stephens. Wrote letter of introduction for  
Mr. Felix Verner to Cap. Beaman Perminham  
To the Iron Mudge engaged me to dinner tomorrow  
to London Bridge getting on with Centurings. To Mr  
Knight found the cause of delay in going to Mr. Permin-  
ham's office too full. - To a person in East India  
Ship A. Wilson & Miss Elliot. - Those in Epiphany - beautiful  
splendid effects. -

SUNDAY.

Wrote letters of introduction for Mr. Hewson to  
to Dr. Willes, Dr. Woodroffe, Mr. Crawford & Leahy & Co  
Gibbins & Co. Beaman. - wrote a long letter to my  
dearest friend Mr. M. - to visit Miss Wilson  
promised to go often during vacation. - To Cap.  
Mudge - a communicative fellow traveller  
mentioned singular superstitious circumstances  
connected with

Alms House &amp;

Dulwich College. Mr Allen fully expecting  
to rise again in the course of 50 years ordered  
that a certain sum of money should be paid by for him  
and that the trustees should visit his Vault every  
year and renew the Tinder and matches which were  
placed in his Coffin the lid was not to be nailed down  
but placed thus . Allen who endowed  
College in his life time did it as an expiation  
for his sins. Met Mr. Drummond &  
Mr. Engineers - very free & agreeable party. -



My mind considerably smaller as compared to the whole head as usual thought Phrenological system too much subdivided.

MONDAY.

Grammar. To Macdoug. not well. could not work - left at 5. took Cold Bath - continued unwell all day. heavy drowsy sleep. Violinello.

TUESDAY.

Grammar - To Mr Brunel. not at home. to receive H.P. - To Edwards dealer in minerals &c 26 Wilton St Carl St Westminster. a superficial knowledge - a pleasing head - conscientious - moral - a great variety of minerals promised to buy by Geological specimens. To Maws purchased Blow pipe & small specimens for experiment - able to make use of blow pipe in Ev. ? made some experiments in fusing metals with my operations relating to <sup>settling from Beaumont</sup> ~~to Maws~~ not pleased

WEDNESDAY.

Grammar - To Macdoug tale 7 O'clock perspective - and plan of a house for a friend of Cap Stephens. To Mechanics Institute section on Geology - Coal district - highly interesting. - combated successfully ~~of Blue Islands~~ inferences relative to the causes in York - since recommended - Penns work.

THURSDAY.

Old Testament. - Grammar - To Brunel not at home. had been home since Monday at the Tunnel. To Mudge W. Horn. Shocked with hearing the account of the death of Sir S. Raffles. Found by Lady R. on Wednesday morning in the passage to his dressing room - insensible every means used with no effect. Sir S. Horn dissected the body - Bone of Cranium very dense and



thick-extravasated blood - his great exertions in the public cause had destroyed him. -

FRIDAY.

Plan of House for Cap. Stephens friend. Took lodging for Night 3 & 4 Duke St. St James. 30 Shill. for 2nd floor. purchased Gaudin's Designs & Headgold's Carpentry. - finished arrangement of designs for House. - Caught cold changing coat so often. - Robt arrived gave a good account of family. -

SATURDAY.

Worked on Plan. - To Robt. 11 O'Clock. vicinity To Park Bridge - Center struck of first Arch - second ready for striking. Clocks very elegant with its rise of only  $7\frac{1}{2}$  feet. Finished with Robt. left him at 6 o'clock. House down - on way home purchased 20 plates for the wards others for 5 shill. plates damaged. Much received letter from Dear Caulfield proposing to become Naval Architect -

SUNDAY.

Wrote letter to Croften Croker relative to Caulfield. - To my dearest Mr. P. an account of the death of my friend Sir S. Raffles. - Read many chapters in New & old Testament in conjunction with Gaurghin's Philosophical Works. - Robt. died To Ours & Pectus Music - given up for season - To Mr. McDonald - walked in Portman St. very much fatigued with her society and filled with regret for the manner in which she conducts the education of her children - a slave to vanity and fashion - without a liberal sentiment - Cold nose. -



MONDAY.

Purchased some good specimens of minerals & fossils Edwards 29 Milton St. Carl St. Westminster. L. Maddox worked on plan of house for Stephens. Arrangement not easy. - Robt. dined with me to lunch May in P.M. highly entertained Mr. Pecters decidedly the best very natural - don't take much pleasure in the burlesque - the Master was well done - want organ of Wit or gait. Why does this organ not take distortion? so difficult to find a clear judgment when it exceeds.

TUESDAY.

Maddox from a tier of nearly completed plans and Elevation for house also copied them on tracing paper to send in a letter to the country - repeated going to opera with Robt. dined at home could not better. -

WEDNESDAY.

Called  
Cold still had - poor Ford for advice and assistance relative to Bill upon Bellebroth, could not get the money - assisted him. -  
Down to Richmond with Robt. to visit his father. -  
Mr. Moore - a truly kind reception Robt. highly delighted - a nice house, Mount Pellicene Row - group of library - introduced to Mr. Butler particular friend of Blake's White-lives with him at 7 Paradise Row. Chelsea gave me an invitation to see him and to become acquainted with certainly one of the most interesting and extraordinary characters of the age. - promised - a delightful walk on the banks of the river - art has here overseen nature - and the worst of specimens particularly in building. -  
Had a very long discussion with the amiable Mr. Butler upon Catholicity. with many forcible observations derived from his singular friends - still much prejudice according to my mode of thinking. I was however much gratified for it is so seldom one can converse upon that first of subjects. -  
returned to Town in Even. - Cold increased. -  
Finished plans &c. of House but was so unwell could not write a letter to enclose them. - to Robt. to dine and meet Sedlaw - going to a box at Opera which Cap. Montecore obtained induced to go. Curious benefit of Zelmira & Rossini's most

THURSDAY.



ornamented manner - want of originality in Philod.  
Some splendid effects. - Mr. Patiser shot so well in the  
pathetic - as I guessed. - - Cold very bold

FRIDAY.

Cold so bad as to keep me in bed till 4 o'clock  
tried to study principles of Cosmology as far as  
got Legurs' memoirs - very French and rather trivial  
bad for worth originally badly written much  
pleased with Legurs - The translation  
evidently bad - much French reasoning  
but he writes as a man with a

SATURDAY.

comprehensive mind and accurate  
observer of those awful events of which  
he had so important a part to act.  
his glance at America and journey is  
very interesting. -

In bed till 3 o'clock Cold something  
better a great tightness about my head.  
Finished Legurs 1<sup>st</sup> Vol. - dined with Mr.  
Munroe Esq. -

Finished long letter to my dear  
Mrs M. - a letter to Capulfield  
Cold better - Read some chap. in  
old Testament. - From the commencement  
of Scripture history there appears to  
have been but little virtue, properly  
so called, existing - Individual cases  
only. - Man as far as my weak  
judgment goes, appears to be in a state  
of improvement, and to have continued  
improving since the Deluge. First  
excelling in all the lower propensities  
and gradually rising in the scale of  
moral virtues. The pelagian of the ancients  
was in connection with the propensities  
and so of the Church of Rome - which must give  
way

Finished for Mr. & Lady Chatterton.  
22 Nov. 1826 P. C. Esq. SUNDAY.



17 Day of July

MONDAY

as the intellectual part of man comes into action - There have been, and will be many more extraordinary changes take place of the modes of Religion - but each change will be the less violent as the faculties proper to man overcome those proper to man & animals -

To Madley's Spiral Staircase in perspective & Door open at any angle - 10 to 14. -  
 Had article on Diving Bell - received letter from C. Croker relative to Mr Steel's improvement on Diving Bell. -  
 Mr B. dined - the hired. - Mr. Violinello & Piano. -

TUESDAY

Second vol. of Count Léger showing that "great events from little causes spring".  
 To visit Mr. Christy with Ford - a well developed head - much form & size and weight construction - a mouth demonstration of faculty & heart. - To R. Musical Academy - by so many performing at one time the susceptibility of sense of time must be seriously injured. -  
 To the Mechanical part & time may be cultivated but it is feeling & great susceptibility which makes the true musician. - To Admiralty could not be Mr. Steel to whom C. Croker was to have introduced me.  
 To London Bridge - five courses of stone on first pier not going on very rapidly. To Tower. Mudge not there. -  
 dined with Mr. Violinello & Piano. - To Elliot's ordered a p. of Cash pepper with a needle point a new introduction. French. -

WEDNESDAY

Grammar. To visit many artists with Mr. Hale -  
 the Lindens saw beautiful engraving of the King from Sir Lawrence's picture. - C. Heath (bankrupt) still giving very well. -  
 Mr. Martin Painter & Engraver. Saw splendid picture of the Deluge & the perspective lines of fall of Nimrod - took him 6 months. - every line in these immense drawings put in by rule. -  
 found in all the engravers individuality size & weight remarkably developed. - Saw Mr. Howard's gallery - excellent in ordinary life but introduced to the Stephinoffs. Quick character in the painting of Catharine and Patriarch. - little more with -  
 To lecture Mechanics Institute on off Mineralogy. -

THURSDAY

Freehold's Carpentry - To Mr. Neppie - paper disappointed. -  
 Mr. Little who was to have opened a place to one remains. -  
 Mr. G. N. promised to write to his brother upon the subject. -  
 To Brighton & Lims to have attention made in letter. -  
 met Mr. Drummond who is producing an enquiry into the expansibility of metals & vide Appendix page 130 To De Villis -  
 to be deduced part charge 25 shillings for making mould. - To  
 Abington with Mr. B. promised to visit Mr. Bulter on Sunday  
 to London Bridge - To Tunnel getting on rapidly 180 feet - work



FRIDAY.

much improved. little or no water. Mr. Bennett's kind  
 manner almost induces me to endeavour to get into his  
 employment. Tho' Annie or Telford would be better. Mr. Hall  
 declined to get some knowledge of surveying. his great self esteem  
 seriously against him. Harkins he knows all when he only  
 sees a little. - lost more than an hour in endeavouring to explain  
 to me Mr. Walsh's method which he did not himself understand  
 and which if as he stated. must be incorrect. -

Wrote letter to Mr. John Woodford relative  
 to Miss Gibbnes school at Watlington for William. -  
 To Madam more prospective as he is amuse himself giving  
 the problems unnecessary determined to do no more -  
 Letter from Mr. John Steele M.A. invitation to witness  
 his experiment at Blackwall with the Sizing Bell - his new invention  
 received a kind note from Rev. Mr. Butler together with  
 Schladoes letters from Spain by Blanco White his  
 friend - desired, with Robt. to pay my debt to him very good in  
 the way. Tho' I do not take much interest unless there be  
 a representation of natural character & natural circumstances.

SATURDAY.

Finished Schladoes - admirable - a melancholy  
 history of the state of Spain. more anxious to become  
 acquainted with the writer. - To Mr. Bennett's not at  
 home. - To Edwards, Dealer in minerals gave me  
 many specimens for experiment with magnets  
 attached. - called on Mr. Steele not at home  
 home to dinner Chemistry in Evng. Rain.

SUNDAY.

Wet morning. Wrote letters to Dearest Mrs. M.  
 Will Newman relative to oil Gas apparatus & Caulfield.  
 Lord visits to take his leave and borrow some  
 money. procured £10 from Robt. for him. - visit  
 from Mr. Steele. very tall - quick face - knowing  
 faculties strongly developed with good intellect  
 and much benevolence. explained to me his improvement in Sizing Bell.  
 likely to prove highly useful. - after some hesitation.  
 set off in Hackney Coach to Butler distance 10 miles  
 for 12 shillings. - arrived a little before dinner but found  
 that Butler had forgotten our bag which he was to have brought  
 Mr. B. an intelligent woman with a little too much  
 confidence - his sister not particular - sharp nose & crooked  
 mouth. - B. appears particularly happy. with an intellect which  
 is satisfied to plod at each day at his desk in Town. he returns  
 in the evening to gratify his strong bias of adherence in his family  
 relying implicitly upon his wife. he never interferes in  
 the management of his house or children. of which we had a proof  
 he had promised his bed - but when the time for retiring came  
 we were told that Mr. B. had not proposed Madam for our visit and  
 therefore we must forgive her. but that bed was provided at the  
 Inn. - To me all this was amusement. but to Robt a matter



MONDAY.

a rather curious annoyance - particularly as the bag was for the  
 however he became reconciled and only requested to be provided with  
 a razor - but the servant had put them by he set what was to be  
 done I however suggested that the village barber could supply - The Inn  
 proved to be a mile distant - wet evening - from Mr. B. had taken some strong  
 coffee so did not sleep till 4 1/2 o'clock - bed dirty - to turn up  
 all - he having waited for a second coach - I going in the first  
 no place - obliged to go 3 miles to Edmonton - and at length arrived  
 in London in no good humour with his trip -  
 To Maddox. decided upon a Gothic design for cut bridge  
 To Mr. Kemble received a letter from his brother stating that  
 the consequence of Mr. Leslie remaining had no need of my services.  
 felt a little disappointed. - To West India Dock to see Mr. Steele  
 much gratified. Each compartment 2 feet 3 in. diameter - dined with him  
 after the Antislake - extensive information. anti-phrenologist. spent  
 my agreeable evening recommended strongly to go to Brunel.

TUESDAY.

Wrote letter to Rev. Rob. Butler of Paradise New  
 returning Do. Madoc's letters. - To Tunnel for  
 the purpose of offering myself to Brunel - but  
 unfortunately met him coming up. To W. India  
 Dock to witness Mr. Steele's experiment. Diving  
 Bell - introduced to Mr. Dixon - Mr. Nevill Engineer  
 New walk shed. Thomas - Mr. Henry Venn of Cambridge  
 rising to the top of the atmospheric compartment not being  
 air tight - a failure - but the principle established. purposes  
 going down had all been right. - dined at Lion House - then  
 7 - 4 1/2 - Nevill mentioned some curious chemical  
 facts.

WEDNESDAY.

Wrote two letters of introduction for Rev. Henry  
 Venn of Cambridge to brother Mark &  
 for Sam. Wright. Mr. V. going on a Geological  
 tour. glad to find Scientific Englishmen  
 going amongst us. - I Johnston - drew 30 pounds  
 of the Tunnel affected young Mr. Brunel  
 boring. - American engineers best - proposed to  
 Mr. Brunel to enter his service wished two or three  
 days to consider to call on Monday. received  
 letter from Anne Pight in answer. To Mr. Ag.  
 lecture on Mineralogy. so anxious not having received  
 a letter from him to go to attend.

THURSDAY.

To breakfast with Mr. Steele - met Mr. Nevill  
 an extraordinary clever mechanic & a man  
 science - educated in the Imperial Academy. Petersburg  
 an Irish man - explained many of his great improvements  
 in the steam engine - his invention of propelling  
 vessel by condensed air - steam capriable &c. To  
 Chelsea a most kind reception from Mr. Butler  
 Mr. White too unable to see me till after dinner - visited  
 Brunel's beautiful circular saw mill for cutting timber



can cut from 4 to 16 out of an inch. not having 1876 85

brought an order, would not permit me to see the machinery - must come again. Introduced to Mr Blanco White after dinner. Every thing that I had anticipated but his voice - too thin, but mellow. - head high and full. language very large - June 20. strong parallel wrinkles and vertical. very animated & energetic - conversed principally upon Spain - prospect very gloomy. only remained an hour.

Wrote letter to demand Mr K. - To Will & Beaud relative to schools. To Miss Willson looked over house. To W. I. Docks. much kind attention from. Capt. Parish. Saw me Docks - a piece of mahogany 11  $\frac{3}{4}$  ft. long. 1000 feet men employed work better than the English. - Mr Steeles & parishers succeeded in diving Bell. Walked from W. I. D. to W. Ham - to dine with Mr. Drummond Dawson. Cap Hutchinson Engineers East India Comp. J. H. M. D. decided much to introduce me particularly to Cap. H. considers him very clever. purchased Map of England & Wales.

drawing - Grammar - wrote letter to Lord Law - could not bring my mind to do much so anxious about Kinsale. To Robt. Music - dined.

Wrote letter to Frank relative to Steam Boats. Mr Neville saw improvements. C. Croker Researches in Ireland. much information but badly put together. - To Mr Irwin's Chapel with Miss Anne Wilson. A very strong head. manner most affected. a flourish. his method of discourse I liked. and much of it very strong. leading the mind to reflections of the most extended. -

Dined at Warder L. to Miss Wilson. Evening - don't fancy Miss Gunning. Walked in Russell Sq. 20.



31 Day of July

MONDAY.

Breakfasted with Mr Steele. Thunder & lightning not so nervous as I expected about Brunel's answer. The considerations to which Mr Evans discourse led me useful. - To Mr. Neville - he has made a grand step in the improvement of Steam Engines - a new one - consumes his own smoke, steam evolved from cold water in 10 minutes which in the ordinary way takes 4 hours. - To Brunel. Proposed to receive me for one month on trial - after which to enter into an engagement if I liked. - Received letter from dearest Mr. W. - Ann. Pytt & Ludlow.

TUESDAY.

Commenced my operations at the Tunnel Mr. Brunel took me over the works pointing out everything necessary to be acquired. Measured the Steam Engine for drawing - being the first thing of the kind ever measured & so incorrect. did some levelling with Mr. Brunel. much fatigued weather hot. home at 7 o'clock. advanced nearly 200 feet.

WEDNESDAY.

Wrote letters - to Tunnel - made 1<sup>st</sup> drawing (working) of frame for back of frames - Elevation Plan & two sections delighted with Brunel's kind manner - going home 7½ he gave me a short essay upon the comparative merits of Steam & Carbonic Acid gas. to arrange in my own language by next morn. Worked at it till 11½ much fatigued but mind tranquil. Something wrong in No. 4 & No 11 Box large screw gone in lower part of No. 11.

THURSDAY.

Finished Essay for Brunel by 9½ at Tunnel. having to arrange for staying till Saturday. To the works with Mr. B. another working drawing of same on drawing of Steam Engine. Brunel ordered placed with his own essay corrected - wrote it out fair. Took a lodging at 12 Shilling's week. No. 4 Box still affected owing to their having forced on one part without the other, but improving - ground excellent - dined with Mr. B. - To works till 11 o'clock.



FRIDAY.

Scarcely slept an hour all night Thunder and Lightning - descent of Tunnel shaft all at burst. one the shores in the shaft having burst. - attended Mr Brunel to the works of 2 other men go to breakfast remained till 12. work going on admirably principally owing to the side, walls being advanced which pressing against the newly deposited earth prevents it swelling and falling in. The great principle upon which Brunel proceeds is that of not blistering the ground which was to do no exertion of art could prevent it. ~~of Brunel's plan of the Tunnel~~ Steam Engine. doubtless with Mr Brunel being in my lodging and not liking it went most kindly to look for one. Took one in Paradise Row N<sup>o</sup> 4 W<sup>o</sup>. 10 Still. & took every thing but fire included. - the Tunnel from 1/2 mile 11 1/2. all well advanced 3 feet. this day

SATURDAY.

Did not make till 7 o'clock. Read Parlington on Steam Engine to works with B. - comprehend the prospects - remained till 12 - Drawing Steam Engine - going Brunel most kind explaining every thing I require made working drawings of alterations in the frame - wood work to strengthen one of them having cracked. - To Mr Donkins with Hornbar. B. saw apparatus for his Carbonic acid Gas. prodigiously strong principally of copper & brass. home to dinner at 7 1/2. not satisfied - trust in God & hope everything. - a letter from Dear Caulfield.

SUNDAY.

Wrote to my dearest Mr B. Caulfield in answer to Capt. Croker relative to situation of Naval Architect for Caulfield - Packed up almost of things - Read last four Chap of Revelation nothing can to my mind be more clear than the strong denunciation against the Popish Church. - Read the life of St B. Franklin most interesting a noble development - a fine example of great benevolence with great acquiescences. such works would be more beneficial to youth than the thousands of things which are so constantly forced upon them, here they would see the steps by which all must advance; but, which is the frequently spoken of, yet too often kept really hid from their eyes, by the self esteem of parents & teachers. - very bilious must probably from anxiety.



Letter from Capt. P. Moore collector  
my intention for the City of Cork  
18  
from  
Hutchinson  
my son

7 Day of August

Packed up every thing. settled all accounts.  
and arrived safe back baggage at Tunnel.  
Drawing Steam engine I Brunel giving every  
assistance. Liked lodgings very much - clean &  
attention - much order. - Attended J. B. experiment  
on the Carbonic Acid <sup>after dinner</sup> owing to one of the pipes  
being stopped - a failure. - To the Works - owing to one  
of the arches being loaded too equally, found deep  
crack made them pull all down - left works at  
11 1/2 going on well - J. B. is speaking of his father's

anxiety said he could not wonder - they had once kept their  
carriage and had been in prison. - J. B. got good English school  
received a terrible letter from Father relative to Barnes's business.  
which I had never been brought to say a word in so bad a cause.

TUESDAY.

Sept 5 - attended J. Brunel in getting Carbonic Acid  
Gas apparatus ready all complete - To Works  
going on well - ~~arrived~~ gut line of Steam Engine  
found much service from having made the draught.  
Directors visited at 1 1/2 Clock - Mr. Cresser Mr. Colburn  
Mr. W. Smith & Mr. E. Codrington came to witness  
the experiment on the Carbonic. - Croker would not  
express an opinion - don't like his physiognomy - after much  
talked - particularly G. Penny - Mr. Edw  
astonished at finding me an Engineer, Mr. Hall had told him  
write letter in answer to Brampton. To Works 9 1/2 to 11 all  
well. - Very pleasant. - took some fidelity

WEDNESDAY.

To very pleasant took 2 P. - continued unwell all day.  
very probably owing to my employment. The only exercise  
which I am able to take being in confined air - Endeavored  
to make another drawing of Steam Engine - did  
little - read Chemistry. - To Tunnel for 2 hours.  
before dinner & 2 1/2 after - find the party spirit  
at work - a disagreement between the Clerk of work  
and next in command viz Chemist & Minner the latter  
the a Bricklayer understands & speaks French & Italian. a  
Mathematician - a fine tranquil countenance a Bonaparte Chen  
with full head. - The former rather full head but weak countenance  
many nearly vertical wrinkles. jealous. - work going on  
well. - home 10 1/2 - purchased 3 vols Addison 11/6  
Buttlers remain & Gales recreations for 12 shill.

THURSDAY.

Wrote a transposition of a paper from Spectator to improve  
my style, and give facility for transposition To Works  
To Iron called upon Hall - not at home Capt. Moore so.  
Maria M & D. young Maria teaching herself Italian.  
Saw Mudge, agreed with me in all that I have done and my fore-  
intentions with regard to Brunel. To works till 10 1/2 from 8.



FRIDAY.

Added something to Essay upon irregularities.  
To the works. took measurements of three frames the  
strata in each - for an accurate drawing - very tedious  
the taste of acid so strong in mouth as not only  
to make me sick when measuring - probably Carbonic  
acid & <sup>carbonated</sup> Hydrogene. the oxide being absorbed.  
Saw steam engine - from Brunel & very  
ready calculator has been taught well - got some  
miles - planing a machine for mixing the Compost  
to works & to 11 all well - but still water  
at the bottoms particularly the Eastern division.

SATURDAY.

Got up till 4. Bilious much acid taste in  
mouth - took Sidditz - read a few papers in Spectator  
told a long way of describing what a Physiologist  
would do in one word. - A visit from Col. Moore.  
came as it were to see the Tunnel; but all the time  
conversing upon electioneering - much candour - much  
conscientiousness. Much self esteem - & large support.  
good perceptions & power of activity - no great intellect.  
Took more measurements - worked on drawing steam  
engine Brunel died - very clear and simple in manner  
of calculating weight & horizontal thrust of arch of bridge  
on the water to see how the steam B - not approved of home  
at 10 - no work going forward - feel better from a few glasses of  
wine.

SUNDAY.

Got up till 6 - still a little Bilious  
wrote letters to James Steele & J. Leaking  
on behalf of Col. Moore for their interest  
&c in returning him to Parliament in the  
Event of Hutchinsons death. Not time to do  
much. J. Brunel called 12 - to take me to  
his Brother in laws house to spend day and  
dinner Dulwich. a kind hospitable man -  
a very agreeable walk - country pretty  
improved more to the cultivation part than  
nature for its beauties. Two young ladies  
the Misses very coarse & without  
elder well developed forehead and air but  
small turn - inflexible modest - had much  
a horrible handle thrown in Evening one  
child a girl with a want of love of approbation & of self esteem.



14 Day of August

MONDAY.

5 $\frac{1}{2}$  Very unwell - exerted myself, keeping the end in view. Dearest Anne - home & Country. wrote to J. Morgan relative to Moore did not send letters thinking it as well to ask Beaumont's permission. To work all well - drawing - an order to attend Mr. Brunel at Brarnah's (to try experiments upon the cohesive force of brick - took Monday Master Mason & work man. Atoned to find Mr. do well informed on Theological subjects; but unfortunately like those who have read much on both sides, and more particularly Gibbon, he has come to the conclusion that Christ our Saviour was not God or the Son of God but a truly good man, whose principles he approved. Mr. Brunel finding in course of experiments that my calculations were more correct than Mr. Brarnah's left me to finish them - at it from 2 to 7 - not some time 8 $\frac{1}{2}$  - Every. Calculations upon the days work and made a day Report. Took Caster out.

Very unwell not up till 8. Delivered Report Brunel pleased - too unwell to visit the works drew Steam Engine Commenced plan. -

To Beaumont

Wrote letters for Col. Moore not well. to the works made some measurements of the skata - worked on drawing - the plan puzzling - to Town McCoach 5 $\frac{1}{2}$  to dine with Col. Moore - met Deane of Crick Cap. Elington 3rd Cap. Johnston Grenadier Genl an intelligent man and Cap. Hall Rifle Genl old school fellow - all much astonished to find me Civil Engineer - He spoke much of Phrenology - The Deane terribly cautious anti - promised to visit me at Lymington - said he was glad to have met me on going away. - Evl Agreeable -

Found good effects of having having taken wine - much better Breakfasted with Moore & back to Netherburth in his Gig. Servant spoke light of his Master. - To works 10 to 12 $\frac{1}{2}$ . Some of the Iron work gave way in Top frames of no consequence. Worked on drawing. my sketch fairly led to make out the plan - got however nearly a complete knowledge of the Steam Engine. - (Evl) to Mr. Belmelo - J. & Miss Morris - The J. a lum - small frontal but immense language. Mr. B. came in having seen the Greek Steam Boats. Nothing could be worse than their construction - built by Gallows, young B. came some with me to smoke a cigar asked me to assist in writing.

WEDNESDAY.

THURSDAY.



the life of his father, from notes &c. in his possession. agreed.

FRIDAY.

SATURDAY.

SUNDAY.

Made some additions to Essay - To Works took measurements of ~~of~~ water at bottom, remained 3 hours drawing machinery all day. Brunel pleased with sketches of a Steam Engine. - dined with Mr Brunel and saw the ~~two~~ in ~~way~~ to see Greek Steam Boats. The vessels themselves peculiarly adapted for fast sailing being very long & very narrow & very sharp. - but apparently, very ungainly & the Engines disagreeable. - saw ~~the~~ Dublin & Liverpool Two by 8 half Engines by ~~the~~ wonderfully beautiful execution - no end to the inventions - saw a work box of Mr B. covered with a crystal glass piece of tin beautiful - all well.

on the water with J. Brunel to bath at 6 o'clock. too muddy. went to Lurry Canal say Mr Sampson's scow fitting out for Mediterranean. - very complete at work all day upon Steam Engine finished. Mon. - Brunel dined with me. Calculations in evening. - a strong disposition to examine into things deeply and practically. a little puzzled with Headgears Equation for estimating the pressure of an arch upon the centering. - at it till near 12 o'clock.

not up till 8 o'clock. Breakfasted with J. Brunel. gave me some French works on Algebra and Statics much clearer than our own. - a most interesting conversation upon Religion more & more pleased with him. the solid Unitarian principles. - wrote letter to Secret Mr M. Frank (in answer) & Wilkes

Read Historical part of Old Testament The life of David is very remarkable and requires more attention. - a visit from my landlady after dinner staid more than an hour to my great annoyance, giving a long narrative account of her husband's death and the perfections of her children - and had I not desired to breathe an hour of fresh air after a walk had work it would have been all well. - feel truly grateful to that Providence which has placed me here.



MONDAY.

Up 6. wrote letters to Col. Moore & Col. H. & enclosed letters for Frank. - Made out and wrote report for J. Brunel on the borings across the river. River 35 f. deep at high water - rise of tide 20 f. Yellow Clay at 1.6 under bed for 9 f. & Blue Clay for 12 f. after silt & shells & Gravel - worked on drawing till 7 6 Clock. To Brunel Esq. Commissioner Bailey & family to the works till 10 in. great injury by the stoppage on Sundays. The men at pumps not being looked after allow water to remain and thereby loosen the gravel in the foundation - determine when officially employed to stay up Sunday nights to see that the work is done. Received third letter from Beaumont - returning home - no hope for more as Hutchinsons son stands for the City - a paper melancholy account of the state of the poor from scarcity of provisions obliged to use new wheat with milk - I. may this not be the commencement of a general use of wheat in place of potatoes?

TUESDAY

Up 5. on board Boring Barges - studied ellipsoids with Brunel bathed in the dirty Thames - did not feel well after - wrote another copy of report - to the works - not going on so well - drew machinery - received two papers a letter from some other rights - containing many religious observations - and more than all, a letter from my own so excited and so faithfully happy from the periodical could not eat much dinner - to the works - remained to finish - signed a visit from my mother & sister.

WEDNESDAY.

Up 6. added much to Essay upon singularities studied Statics French very clear. To works - happy to see my observations of some utility - Drawing an addition to the machinery in the Dept. Stages just having a clear idea of the framing and clear to Brunel being too full of his own conceptions to clearly explain I found some difficulty in making out drawings. To Mr. Brunel Esq. a question as to the advantages of using iron on Cement or Scotch cement - found myself deficient in calculation - determined to study French method.

THURSDAY

Up 5 - Made copy of report relative to the boring. - began a clear copy of Essay - To office Dining - To Town 12 6 Clock to meet William B. at Royal Hotel. came to Town to see about a school for his daughters. Visited two Miss. Wilsons for Superior & W. thinks it too expensive - dined at Union Hotel. Dinner 19 Shillings a din to pay for much - walked home to Notingham a letter to



FRIDAY.

Up 5 $\frac{1}{2}$  caught cold in head to work  
 studied Statics - made clear copy of the  
 carbonic acid gas specification for America  
 with some alterations of my own - William to  
 dinner & J. Brunel - after visited work  
 his astonishment great - felt it more than  
 Robt's much. Hunt & Edington - Mr. Tadmair  
 drank Tea with Brunel - nothing particular  
 cold increasing -

SATURDAY.

Up 6 Cold much worse - studied Mr. Reynard's  
 arithmetic - much superior in clearness  
 to our own writers - particularly in the explanation  
 of the roots - To work with Will - made  
 him enter on the Thames in a jacket about  
 his clothes - started him at 10 $\frac{1}{2}$  - commenced  
 and finished a coloured section of the  
 ground which we are now passing thro' - Tenny  
 Brunel dined - agreeable & instructive - explained his  
 method of calculating quantity of brick work - Tenny.

received a note and pamphlet from Dr. Oker  
 with attempt to determine this year & day on which  
 Christ was crucified - cold worse -

SUNDAY.

Did not rise till 8 $\frac{1}{2}$  Cold worse - breakfasted with  
 Brunel - disappointed in not being able to see  
 Belfast Steam boat of 500 Tons having just  
 sailed - wrote letter to Secreat Mrs. H. to  
 Col. Moore for Frank. to Town to Miss Wilson  
 about terms for Will. - To Wm. satisfied, but  
 still his mind not made up - Quoted Col.  
 Moore - Wm. pleased with his frankness.  
 read us some good letters which he had written  
 particularly one to Col. Hadder -  
 feared to remain in Town to dine back at 5 $\frac{1}{2}$   
 home at 6 $\frac{1}{2}$  to work - found them getting in  
 new side staves - Skipton left - home  
 did not feel disposed to read - feel dreadfully  
 tired. The want of rest - cold something better  
 not done much this week or this day I suppose.



MONDAY.

up b. - Mathematics wrote some of Essay.  
a letter in answer to Rev H. Osgood. The work  
Monday always bad after Sunday's rest owing  
to the swelling of the ground - drew letter -  
a visit from Sir E. Robinson with an enquiry  
from Hall - fear our intimacy, by his marriage is  
for ever decided - determine to visit him tomorrow  
and try once more - dined with Brunel - intends to  
go himself to Liverpool & leave Hambard & Self here.  
Heut open & specification American & some alterations -  
for work at 10 o'clock with order relative to side lanes  
Mr. Armstrong not appearing said I must be wary.  
Poor man!!

TUESDAY.

b. - Euler's collection - To Town to latter leave  
of my friend Hall. about to depart for Italy.  
The times having effected him as well as others - lent  
much money to Mr. Mathison Branker who sailed.  
congratulated him on his obtaining a Majority - Met  
Cp. Barton - glad to meet - To Bridge St. to meet Brunel  
wrote report to the Court of Directors - Brunel to  
start for Liverpool tomorrow about the Pier -  
wrote another copy of American Specification -  
much fatigued - to work till 10 $\frac{1}{2}$  -

WEDNESDAY.

b. Bezout's Arithmetic proportions - to work  
going on well - Accompanied Brunel to Town  
to American Consul Mr. relative to  
Carbonic Gas specification - assisted in getting this  
ready for journey to Liverpool - started P. at 1 $\frac{1}{2}$  P.M.  
Mr. B. had the hot game. I was to have accompanied him.  
finished specification lettering drawings &c -  
to London Bridge rain prevented visiting work  
Mr. Knight accom. me to Tunnel - dined young Brunel  
being a man of no science & much vanity - ev. uninteresting lect.  
To work 10 to 12 - all well -

THURSDAY.

b. Euler & Bezout - health improving obliged to take a short rest  
which from practice - I am now able to detect -  
not so well - my mind more & more excited  
by hope - my night & Day Dreams are becoming  
stronger with relation to one object - Oh! that the time  
may not be far distant when we may worship our God together.  
Most of the Day in the works - wrote a sketch of introduction  
to an application to be laid before the Gentlemen of Essex &  
Lynn relative to a Tunnel below Gravesend to form  
a communication between the two Counties - Brunel dined -  
Calculations to ev. much fatigued



FRIDAY.

6. Euler & Bezant. find it very difficult to open my eyes to Mos. is it tedious or disgusting so long as Tunnel at right. - To works. Had occasion to find fault with Nelson - things better - To J. Brunel to report. To New London Dock. a complete example of the effects of employing a Builder in place of an Engineer. Parts of enclosing walls coming down. Eugene is a dretched potato Mr. Palouet just appointed Engineer - very polite. showed us plans &c. Drawing not good. showed a skull found in the excavations at a considerable depth. - a female. - back to works - received a letter from Capt. Bismarck. lots of commissions. Dined with Brunel. interesting account of Paris. - To works till past 11 O'clock. -

SATURDAY.

6. Milious wrote preface for a report on statement to be made to the Gentlemen of the Counties of Essex & Surrey relative to Tunnel below Gravesend. - To works till 12 1/2. Made section of river borings &c. to works till 6. seeing everything right before me & many inefficient from London. A fight between and Richmond. Engled about Beer. Will wrestled. stopped beer coming down - Dined with Brunel commenced a calculation of Tunnel till 12 O'clock. A wet day & night. -

SUNDAY.

7. to works to see frames shifted &c found Mt. 3 legs out of order - all pretty well. - Read Spurzheim's Philosophical Principles wrote a long letter to Sam. Gaskell. - To Town with J. Brunel - hired horses - took a most useful & agreeable ride about Dulage &c for 4 hours - Dined with Mr Hawes near Dulage - a Mr Frost - Physician anti Phrenologist. Mr Hawes rather anti - introduced the subject at dinner expecting many strong arguments against it from J. Frost. Disappointed found no difficulty in refuting Frost. back to Town by 10 home 11. The day not spent as I could have wished, but my health absolutely requiring exercise, obliged to sacrifice a parcel of the scriptures. - Oh had I but one to regulate. If I act right. this will be a D.D. -



4 Day of September

MONDAY.

off after ride - health quite restored - all bilious feeling gone. - To works - all well - sent bridge & both calcs. with them to see the vessels returned from the survey of coast of Africa - bridge was employed - dreadful mortality -  $\frac{1}{2}$ . Mode of measuring a Base - by firing a gun. - therefore proportion of light & sound - found very accurate - selected vessels for the service - saw Cap<sup>t</sup>. Owen who commanded - don't like his Phlegm - set a bad example on board - a married man yet to have his women visit the Shannon Steam Ship - splendid - Brunel thought engine bad - one of Roltons - not admitted to the engine room - Mr Palmer dined - some good points - still don't fancy him. - To works over till 10 o'clock in the morn.

TUESDAY.

up 7. Finished printing & section to works all well. Brunel returned from Liverpool in great spirits. Expect to be ordered to Liverpool with steamboat - will be of great service - found myself again deficient in ordinary calculations for want of practice - dined at home - calculation evening. Mr Day came to see the Tunnel - his manner much changed since lodged with him - showing the wonderful effect of situation - poor human nature!!! - a slight attack of calicury onrbus -

WEDNESDAY.

6 Calculations of ordinary proportion and practice. To works. Boilers much out of order. Weather seriously changed. very cold with rain. wind from E. to N.E. - one of the top frames broke - employed in calculations. the quantity of water the pumps of steam engine would raise for 24 hours. & Mr Brunel brought with him from Don a drawing of a design for a bridge to be erected at Moscow. of timber span something of the same design introduced in the Liverpool pier. L. Beauregard Reg<sup>t</sup>. Harb<sup>r</sup> Engineers from Stade on Elbe visited the works all of which I explained. he mentioned that the Emperor of Austria was only waiting for this work to be finished to have a Tunnel under the Don at Vienna - how extraordinary if I should go to Austria. - made a design for rail way in bottom for carrying away the earth. Distance becoming too great for manual labour. Tea with Brunel to works till 11 o'clock.

THURSDAY.

6 not at all well - power - Equations - to works till 12 o'clock. wet - drawing machine for mixing cement - very stupid about the doctrine - very unwell - dined at home - finished for 12 hours - called away going to the pipe which conducts water to boiler of steam engine having blown up. Mr Brunel was the very best triump in very quick time to rectify my injury. - Calculations evg. very stupid about some equations - very ill all night.



up frequently. -

FRIDAY.

8. Very unwell. another sudden change in weather. wet but very warm - To office Calculation & equations drawing - about 3 1/2 P.M. much alarmed by Mr. Borge coming up and saying that the water was coming in at the top of Tunnel down below. but, tho' coming in yet so little as after a time to dissipate our alarm - still it made me think seriously upon the magnitude of the work, and the great personal responsibility any man takes upon himself when he exposes the fortunes of his fellow men in carrying into effect his schemes - home at 10 to rest and relieve Hambard at 3 1/2 much fatigued but health better - received a charming letter from my Dearest Mrs M.

SATURDAY.

up at 3. To works - health better. Eyes suffering from the candle light and the sudden change of light. found much silt coming with the water. after considerable exertions stopped it in a great measure. Made Dear Mr. Brunel go to bed, and Hambard in actual attendance till 3 1/2 P.M. home to lie down for a few hours - After a feverish Doze for a 2 hours a note from Hambard to request my attendance. The water and silt rather increasing, and he being too exhausted to make any further exertion on his own and Clay is stopping together with the settlement of the ground itself. The clay having come down and occupying the place of the silt. - Being Saturday night it required the greatest exertion to keep the men to their work - fortunately however, no farther appearance of water - Hambard B. returned to sleep on 1st works - feeling too anxious to obtain any at home.

SUNDAY.

Home at 10 O'Clock, after having seen these dangers in which the danger threatened moved forward twice without any alarming symptoms. - Read over and over my dearest Mrs M. letter felt the truth of her observation that we can but bring our minds to make those exertions to act right which taught by our Saviour. leaving the rest to the preserving providence. all things will act together for good and we shall become happy. To bed till 3 1/2 a note from Hambard. all well. tried, head eyes not well. Dined with Hambard. Went at 9 O'Clock.



MONDAY.

up 6. To works - water and silt again troublesome did not get my breakfast till near 12 O'clock - great reformation required in Post Greenfield shift. neither Praiser or the pit to have the superintendence an anxious day - found an old Coldstreamer G. Miller who had been in the same company with me at Cambray, a miner. - obliged to make much exertion all night Robt. & Maister absent 3 1/2 hours at 4 got tired but not so much as I expected

vide page 145.

TUESDAY.

up 9 - To works - water still rather increasing some gravel, leaving no doubt of its coming from the River for probably an old Baring hole. endeavored to proceed - but water came in abundance however made great exertions to get forward during the night and moved No. 7 a little - made a bank behind the staves of No. 4. and drew the water from the front. Poor Mr. Brunel so nervous and wretched that I think he caused serious illness. - I am bored entirely tired and much fatigued myself, but determined to render all the assistance in my power. got at 8 O'clock to bed finding that I could see of no more service. - Top staves to be left behind

WEDNESDAY.

To works at 11 1/2 find things better - the water still flowing in abundance from back of No 6 and thro' the hole cut in centre pier, tactics of Iron therefore conclude that it does not proceed from the River as we at first supposed; but from a bed of gravel between the clay and the Tunnel. almost all day engaged in propping up No. 6 staves and getting the frame forward which was at length accomplished about 5 1/2 O'clock P.M. Same sturdy Nelsons highly efficient. - Finished with Brunel to bed 10 1/2

THURSDAY.

To works 5 1/2 - Things beginning to look much better water still flowing in abundance from pipes introduced into the Brickwork. occasionally stopped by gravel, and immediately finding an outlet between the top staves. contrive to run readings from No. 6. - Went to measure the temperature of the water flowing in the Tunnel and to compare it with that of the River & Tunnel 64 Deg. River 61 - consequently it must be from River - for if it were a spring it would be much colder. measured the quantity per minute - at high water 10 Gallons



FRIDAY.

at low water  $6\frac{1}{2}$  gal. - Mr. Armstrong returned, but does not give any orders - a most non-efficient & inefficient Engineer - The work going on with more regularity - Brunel dined with me - taken ill after dinner so that I remained the night at works, fortunately all well. - to bed about 3 o'clock up 9 - To works all well - at 1 o'clock wanting  $1\frac{1}{2}$  hour of high water there flowed from the two pipes  $8\frac{2}{3}$  gallons per minute. - a letter from Miss Miller - wrote to Mrs. Funn in answer - work continues to proceed with an occasional flow of water between the staves got down the top plate of N° 6. without accident - dined with Brunel - Mr. Gabriel Engineer with Mr. Goulton - clear head but coarse countenance - Lombard's want of politeness increased by command - poor humor nature escorted Miss Brunel to the works - a good deal of Phawar about about her. self esteem & secretiveness - caption - to bed 11 $\frac{1}{2}$ .

SATURDAY.

up 5 to works, the water having more a free passage ceases to trouble us so much - still do not like it. This being pay day it required every exertion to get any work done properly. - some Algebra - Brunel dined with me fell sick as he left after dinner. wrote a letter in mean time to my dearest Mr. G. in answer - To works 9 $\frac{1}{2}$  - about 11 $\frac{1}{2}$  alarmed by a quantity of silt again making its appearance - the flow of tide evidently affecting the ground much. a miner told me that he had observed from the commencement the remarkable difference in the ground at high or low water - at the former wet at the latter dry. - wonderful! Things looking so much better about 2 o'clock that I retired to rest. - My health, thanks be to God, continues rather improving. -

SUNDAY.

up 8 $\frac{1}{2}$  To works all well - leaving the water evidently behind us. I can not but acknowledge the hand of a divine providence in the events of this passed week. - Had this flow of water occurred at any other place, the consequences might have been fatal. only a week before Nelson had caused the bottom part of the frames to be more forward than the upper, thereby dropping the tail of the staves allowing the water to run back instead of forward, which, had it occurred would have destroyed the face. - a vessel of York's cement coming into the river, when the bottom had become so bad as to make work unsound. - Armstrong's illness, permitting young Brunel to come forward finished last letter to March Mr. G. one to Frank - Made out with Lombard to visit an old school fellow of his Mr. Hampton.



18 Day of September

at Hagny also a college acquaintance of Caulfields - Son of Dr. Thumpton. - Had to Dulize to visit Mr. Hagg's - back to dinner with Brunel - to works all well - return God thanks. -

MONDAY.

up 7. a little bilious - to works after settling accounts & checks account. Things improving. Took level of Frames &c. the more I have occasion to observe the more neglect there appears to have been on the part of Mr. Armstrong; however, his power is now gone. Some algebra with Esambard - very stupid or rather being unused to be asked questions. nervous. - Sea with Mr. & Mrs. B. - algebra in Evf. - Home 10 $\frac{1}{2}$ .

TUESDAY.

up 6 - To works - all well - not so strong as I could wish. with every desire to bring <sup>my</sup> mind entirely to the object upon which I am employed yet find it very difficult to withdraw it from recurring to my own - & Kinsale - pray for power. - Mr. Guinness found fault with for inattention - not to be compared to Nelson. - many Frames going very stiff - No 8 & 9 particularly & 12. - Did some algebra - at works the whole day Maudslays men making alterations - most tiresome - impeded our progress much -

WEDNESDAY.

up 6. To works - things going slowly but securely - got over two Frames - a head account from Monday of Armstrong's dairs - necessary however to guard against any party statement saying that he was not only weak but wicked & that notwithstanding his sanctified expressions, yet it is Mr. opinion, he would not scruple to throw this great weight to the dogs. - Water making its appearance thro' brickwork near pipe in St. Arch. - got up & looked bottom not good - Gravel becoming smaller combined with dirt. many visitors - not having a great deal to occupy me - entered into conversation with some inducing them to ask questions, which I find improves myself in finding answers. I B. Evf. to commence a regular journal of the anxious work we have passed. -

THURSDAY.

up 6 - To works - all going well. with the exception of Nos 5 & 8 owing principally to the great weight of the timbers, which were placed across Nos. 6 & 7 took place of the Top Staves. left behind it was very difficult to move them, requiring 6 & 8 men in place of 2. -



182  
a letter from Mr. Botting, requesting my presence at a meeting, & again  
a letter from my uncle De la Cour. Watched Hotel  
Mr. Baggs and he came to Town for a few days. -  
dined at home - to works up 10 1/2

FRIDAY.  
up 5 1/2. To Town - to Mr. Botting's solicitor Mr. Ayer  
Took Court Chancery Lane. - should have an attorney  
will not choose him. - the parties not being ready visited  
my uncle & Baggs - found both in good health and spirits -  
To Palace Court - where after dancing attended court  
10 A.M. to 6 P.M. obliged to come away without the  
cause having been called for. - a most orderly Court.  
forming a strong contrast to our Irish petty courts. The only  
business person in Court was a Mr. Flannigan an Irish  
solicitor - dined with uncle. much conversation relative  
to my pursuits, evidently satisfied - James Hornel joined  
us. returned home at 8 o'clock. to works - found them  
attempting to force forward No. 5. made them endeavour to relieve  
it of the great of timber on top by means of another Jack-tr  
bed 11 1/2 fatigued.

SATURDAY.  
up 6 - To Town to breakfast with uncle. weather  
beautiful. but wind cold & E. The sight is certainly very  
grand, to behold the mists rolling away before the sun,  
half clothing the forest of shipping and churches & bridges, as he  
tries to run his course thro' the heavens. - visited Barnes relating  
to Father's business - hope for an arbitration - to Maria McDonald  
found young Maria left alone in the house - The mother having  
gone into the country on a visit for a fortnight - rather extraordinary  
visited Miss Wilson promised to dine tomorrow. - home found  
getting ready for putting in new top staves to No. 6.  
Hornel kind - talked at 10 1/2

SUNDAY.  
up 6 - wrote letter to William B. urging him  
to send his children to Miss Willsons at commencement  
of October Quarter. - To works, and breakfasted  
with Lombard - To works - nearly got up to top staves  
of No. 6. at work all night. Lombard up - about  
to return home to read some portion of my Bible, but  
interrupted by some French visitors and Sir - Lawton.  
to the works Lawton a great talker - connected with  
Perkins's absurdities. - home - life of David - was  
faith alone accounted to him as virtue? for  
he appears to have been guilty of almost every  
crime. - To Town 3 O'clock to dine with Miss  
Wilson. met Will Wilson and his wife (my friend -  
Miss Lockhart) very glad to renew my friendships. like  
them much - fine liberal feelings. tho' a clergyman. -  
To young Maria McDonald wife - found her listening music  
Miss Wilson's her only companion - the state in which she  
appears to live - is making her evidently selfish. her  
situation always makes me melancholy - to see so fine  
a creature running waste. -



25<sup>th</sup> Day of September

MONDAY.

TUESDAY.

WEDNESDAY.

THURSDAY.

up b- finished the Journal of the Eventful  
Week which I amboord & I passed in Temple.  
approved of by Mr. Brunel. - to works - all well  
Mr. B. wrote letter to Mr. Armstrong - giving him the  
option of leave of absence for 6 weeks, or to leave altogether  
his health not enabling him to be of any service. - will be  
gone - some quite alarmed, having heard from report  
I was going to leave. circulated by Robt. & Brazier - wrote  
letter for Brunel to the Commissioners for building Chester Bridge  
sent the amount of his account for opinions plans & £63. -  
made lies with I amboord - saw the process of casting - beautiful  
I amboord died - did nothing but chat all evening, think of going  
on to Plymouth. -

TUESDAY.  
up 5½ to works. found that little had been done during the night. The Top of No. 6 ready to receive the new staves which arrived about 8 o'clock. Faces much affected by the high water. a run of water between Nos 11 & 12 which subsided at low water. The bottoms formed of Bricks on edge found very good. wrote report on Maudslayi's Bill - also report on our operations for the Directors. - dined at home. Top staves of No 6 got in during the day. To Miss Wilsons evening per Coach - a Mr. Dawson, & De Ville. Two Miss Willsons. De Ville examined heads Miss W. very fine development also Mrs W. Willsons - examined mine - a difference between it and when last examined, the now perfectly ascertaining that acq. uisitiveness was not deficient - some bad singing - (oh my own!) Home 12½. - very wet night.

WEDNESDAY.  
To works of 2 found Top staves of No. 4 in place & every thing more in train. No 5 put over to W. Nelson promises to have it in place by end of week. most active. - The water coming in a stream thro' prickler hole, between No. 11 & 12. No 12 retained. - The silt going with No. 4. Brunel ordered 2 pieces of iron the breadth of top staves about 6 in high & 3 1/4 thick to be forced up before the staves at  $\angle 45^\circ$  hope to relieve them from the clinging silt. No 5 moved & carried also silt with it. Evidently owing to a peculiar state of half dry half wet silt. The Farmers Barron Larry a visitor. - He heard of genuine. The frontal more remarkable for height than breadth. J. B. dined - overcome in evening. - To works till 2 o'clock. Post-Bottomes trial came on

B. dined - overcome in law. - Bottones trial came on  
up to 2<sup>d</sup> Town to Palace Court. Bottones trial came on  
at 11. Perjury on the part of Hamptons witness.  
Notwithstanding Count B. gained his cause - the  
trial lasted 3 hours. Sacrificed my H. P. up to 2<sup>d</sup> def.  
Went over Lemon Club House with Col. Moore. Some  
fine Rooms, but want of Taste. Met Hale. Has  
done nothing with Telfords Man - will never make an  
Engineer. Home fatigued having walked all day - Mr. Abbott  
made his appearance in the Evg. all to work in Evg.



and Lombard having another companion quite forgot me in the Bottoms - (capture) - The new Top shows a great improvement with Mr. Gravett was older.

FRIDAY.

wrote two letters one to Mr. Wilson enclosing Will letter another to Mr. Barnes relative to my father's business. In the course of the day saw Mr. Barnes he would not agree to have two gentlemen appointed as Arbitrators, unless each making trade - I think he is right however said I would write to my father - did not like to communicate with him so wrote to my uncle De la Cour - To Daddeshale Park - half continued thanks he to God very well - dined with Bernal to bed 11.

SATURDAY.

up at 3<sup>1/2</sup> to work to relieve Lombard nothing particular in the ground, but for fear of Ruff and Blasier, who show signs of head blood. - Engaged the whole day in making out the Journal of the eventful week from Bernal's and my own to be delivered to the Directors on Tuesday. Dined with Lombard, did not sleep the week. but talk nonsense to bed at 1/2 p. 10. - began a letter to Decent Mr. J.

Up 6. Breakfasted with Lombard who accompanied me to the Bedford Coach - resolved to talk as much French as possible with him - lovely morn. not a particularly agreeable drive. - Dr. Oakes & formerly appeared expected to see me, after so many promises - To Church feel less and less disposed to attend - it appears something like a man reading differential calculus or Fluxions going back to Arithmetic. much repetition, with little information, added to the view one gets of the Hypocrisy of many.

SUNDAY.

Fortimately we had an admirable discourse from the curate Mr. Grey - quite my own mode of thinking and that of my dearest Mr. N. - The Oakes with religion in their mouths and naturally good feelings don't appear to have any clear ideas upon the subject. Both walked with Mr. Will Oakes Fellow of Kings Coll. Camb. & proposed to me to write a paper upon the state of the Bernal and he would present it to the Camb. Philosophical Society.



Have very idea of agreeing to Mr. Oker's wishes. -  
Some interesting scientific conversation - read a sermon.

MONDAY.

Up to read some Chap. of Kollen - Dr. Oker promised  
to collect accounts for one of the principal Ancient  
works of Art. - Took my leave at 4 o'clock  
only one member of that family keeping anything  
like power - (Margaret) who instructs the little boys.  
promised to keep a journal of the modes she  
adopted of instruction & promised to do so. - Back to Town  
all well. Engaged in writing report of Barings & Journal  
Eyes suffering from writing.

TUESDAY.

Up to finished another copy of Journal for the  
Directors - My eyes recovered - think my stomach effects  
my eyes & exertion - believe yesterday & today.  
A stormy day at the Court which <sup>was held</sup> at Oxford.  
Dear Mr. Phipps & Lombard came into the next room  
where I was sitting, with their countenances deformed from  
anger. The Chairman Mr. Smith had insulted them. Said  
that B. wanted to decide them as to the advance of the work.  
He B. withdrew his report - determined to give them no further  
satisfaction - will call a general meeting. - This W. Smith M.P.  
had once possessed the largest property but now not worth a son.  
appeared to be anything but a gentleman in his ideas.  
Obliged to send away some of my Quaker friends  
Dr. Hunter - Capt. Forbes - Mr. Klobauke. Mr. York the directors  
having given an express order that no one should be admitted  
Brought quite annoyed that I should have done so.

WEDNESDAY.

Letter

Up to to address to relieve Lombard, found Mr. Brunel  
also there - sent them to bed - since my adopting  
these early habits find my health decidedly better  
there appears to be a greater action going forward in the  
system enabling one to resist the effect of external circumstances  
less subject to colds & inconvenience. With God's help I will from  
hence forth continue them. Day cold & drizzly - visited for the  
first time my old regiment in the Tower found only Short & Hunter  
glad to see me - could scarce believe their eyes or ears that I had made such  
an extraordinary change in the whole of my character. -  
invited me to stay dinner - could not - made one name a day.  
Short a sensible fellow also Hunter - visited Mudge - showed me the  
apparatus used for trying the cooling of metals - brought copper & brass  
from very near - experiment column by Drummond carried on by  
Mudge. - A letter from dear old Mrs. M.

THURSDAY.

Up to work - remained till 9 - Cold - delightful to catch the  
sun still asleep. wrote long letter to my dearest Mrs. P.  
wrote letter to Armstrong (Priest) for Brunel to dispense with  
his further services - wrote also a satirical letter upon the  
same subject. I feel that it was not charitable, but such character  
deserved to be called. J. Brunel & Gravatt dined - J. Mill. -



FRIDAY.

Up 4. Procter - Reports till 8½. dining breakfast  
for three last 2 more read Franklin Essay. 2<sup>nd</sup>  
Lord Bacon & Franklin observations, are of  
great practical worldly utility - Bacon shows more  
of the philosophic spirit - engaged in making  
a drawing of side stairs - an improvement. Lombard  
in town about Mr Smiths business. A letter from  
W. Willes brought by J. Leach - dined with  
Brunel - took the rest of table for dinner comp. escorted  
some friends of his to Tunnel Eves. 2<sup>nd</sup> Cartwright & Lady  
a. m.

SATURDAY.

Up 4½ Frost - In works - wrote letter to Dr. Willes  
in answer - his letter, or one of our sets of addresses  
coming on, made me nearly the whole day,  
unhappy - the image of but one object always before  
my mind. When, when will my trial cease! but  
8 months have elapsed and I proposed 5 years - oh let my  
prayer for support be heard - engaged in measuring the  
quantity of water which flowed from the works.  
seeing to a repair of the engine did not dine till 8½  
Brunel dined - obliged to send apology to Guardsmen  
much fatigued to bed 10½ - to R. per  
from Mother

SUNDAY.

Up 7. breakfasted with Lombard - a kind letter  
from Mr Martin to J. one of the directors - Mr. Busck  
breakfasted - some wrote letter to Frank.  
sent one to Willes - felt that should feel  
laughing for my own, and Hinsale as to oblige  
me to go out - walked to Town to dine  
with Leach at Stevens Hotel Bond St.  
Took <sup>nearly 2</sup> ~~one~~ hour ~~last~~ walking.  
at dinner Capt. Westropp (Lieut.) much  
conversation relative to Ireland - but in diff.  
sentiments from both Regt. must  
of any argument was lost by comparison  
which can only be a mode of explaining; but  
can never be fixed as argument - very tired -  
walked home rather wet - took too much  
bad port wine, not by any means to effect  
my head but my stomach -



9 Day of October

MONDAY.

up 5. - I worked <sup>not well</sup> - drawing and writing most of the day - Received a letter from Dear Dorcas, also from Mrs Dunn. Letter written than the former one - My own had been unwell - spirits very low - a sort of nostalgia affecting me - a visit from James Lecky and his sister - dined at home transcribing into regular journal book - a Paper from home

TUESDAY.

up 5½ To work - after which commenced writing Report on Borings - Sent for by Mr Brunel to breakfast - when he desired me to accompany him to Town - to meet with his solicitor, to copy and arrange a letter to Mr Smith relative to his conduct to Mr B. last Board day, also in answer to a letter from Mr Smith received subsequently - writing without interruption from 9 o'clock till 1¼ before 2. - visited new Custom House getting on well - Cast from floor - dined at home to Brunel's party to play whist to amuse him.

WEDNESDAY.

up 5½ To work - things going on - la-la - Engaged on return from work in arranging Boring Report - after break. To Town with Frank Alder - To Mr Lewis's proposed to visit Sir E. Coddington, to learn the result of yesterday's Court - To Macdellay's relative to Sir Stanes to be ready by Saturday - To Sir E. Coddington long confab - Directors puzzled what sort to act - Brunel of fault in a few points - as not preparing their minds for sudden calls for money - not knowing any thing of Armstrong's misconduct till he was removed - all condemned Mr Smith's conduct - To De Villiers to have Chambers heard felt a kind of great power mechanics music - drawing attachment - strong - strong - strong - Calculation Evening Board - 11.11.

THURSDAY.

up 4 To work - things improving - laid down paper to commence a series of drawings of all the machinery used in the Tunnel - Read an article in Philosophical Journal relative to P. theory of virtue good - writing report of Borings - a consultation upon the expenditure - no system whatever by Armstrong - Sir E. & Lady Coddington visited - long confab with her Ladyship - a rational woman - approved much of my change of life - Mr. Steel visited - occupied much of my time to little purpose - Violin for ½ hour before dinner - finished calculation



FRIDAY.

of the area of Section of the Tunnel Brickwork - 11 1/2. -  
 up 6 Billion. - In works - all well. - read article  
 Phrenological journal on Grief - not treated in the  
 manner such a subject requires. - the observations  
 are just. - but much too dry. - Made experiments  
 upon Roman & Portland Cement. - A meeting  
 of the Committee (Working) - Commenced a  
 series of drawings of the frames. - Monday  
 described some noncommercial experiments relative  
 to line of purpose of an Arch. I.B. direct. transcribing  
 journal and he went to sleep. - says he is not so strong as  
 he was. - to bed 10 1/2.

SATURDAY.

up 5. In works - all well. - read article in Phrenological  
 Lord Karnes and Phrenology & certainly his observations  
 made so long ago <sup>(1774)</sup> show an extraordinary discriminating  
 power - engaged in drawing the frames. -  
 and in calculating for Iron Nail way.  
 and making a drawing of it - to be used  
 to bed. - Up all night seeing Top & stairs  
 and new heads put into No. 3 & 9. and ground  
 cleared. - Gravel & Lumber up also I.B. all night  
 went to bed at 4 1/2 clock.

SUNDAY.

Sunday morning. - Another up at 4  
 another petition for work, being the 5<sup>th</sup>. I have  
 received from my unfortunate countryman.  
 It is remarkable, the strong contrast between  
 their whole deportment and that of the English  
 not to be compared as the Irish must suffer  
 by the comparison. - The individuals are  
 found very superior. - breakfasted with  
 Brunel. - wrote two long letters in answer to  
 Mr. Dunn and Sister Dorcas included to C. Croker.  
 a lovely day to town. Took coach for Dulwich.  
 arrived unexpectedly to dine with Mr. Hawes. -  
 too much good sense to be fooled. Hawes  
 do not agree upon mental Philosophy  
 he being attached to the old modes of reasoning.  
 which Phrenology explains. To bed early. Lumber  
 being much fatigued. Slept in same bed at Hawes's  
 did not get much rest. Having no fancy to sleep with  
 any but one. -







FRIDAY.

Remained in the works all last night being anxious to discover the real causes of delay. Got to bed at 7 and up again at 10. Found that I can make most exertion when in a certain state of bileousness. Head not so clear, but bodily fatigue not so much felt. - A visit from Major Kane & Cap<sup>l</sup> Fisher of S. F. N. S. both delighted. Cap. F. expressed a wish to become better acquainted - invited to his house 3 Baker Street. A silly French visitor actually asked me if the Iron Shield <sup>oxidized</sup> the water, came from the steam engine, also if ~~it was not~~ <sup>the</sup> steam engine was not propelled by the Carbonic acid gas. - Introduced to Mr. Haues one of the strong fellows in the Directory - he and Mr. E. Coddington have completely defeated Mr. Smith's mal intentions.

SATURDAY.

wide p. 135.

Up 7 - cold much better (lovely snow) - to work. My cold again returned to the head from whence I find that I can now almost always drive him by the use of Camellia green applied to the nose at night - a similar effect is produced by staring for some hours in the Top Boxes. - Another unfortunate great woman came for assistance - went to Lewy called upon Mrs Wilson Mrs. who very ill subscribed to Lord Theobald's. Engaged this afternoon and night till 3<sup>1</sup>/<sub>2</sub> purchased a drawing of Mr. W. Astor. Sunday morning and after-noon and

SUNDAY.

Up 9 - after reading a few chap<sup>s</sup> in my Bible and praying for the time when I should be enabled to pass my Sundays more in accordance with God's ordinance and my own feelings - when I may offer my prayers and acknowledgments in conjunction with one dearly beloved being. I returned to the works and found that neither Isambard or Mr Gravett had <sup>not</sup> been to bed of course both very much tired but poor youth would not acknowledge - ah! thought I should any thing occur now, to require your exertion, what would be the consequence. - while musing upon this and other - I proceeded to examine the frames - met Monday in mid. P. M. and as we conversed waiting <sup>for</sup> the men to return from dinner about 1 O'Clock - we were alarmed by the eruption of silt behind No 12. Monday was badly frightened after a few hours exertion my two companions



MONDAY.

were hurried up - and obliged to go home - as I had anticipated - Mr Brunel was in town - and I thus found myself, with my limited experience obliged to direct and by my department <sup>to</sup> give confidence to the men - who I regretted to see required it. - I have remarked, that men are bolder the first, than the second time of an unusual occurrence - but if it be continued they then return to their former vigour - we got on well - I was of course up all night - and when I retired to rest left every thing pretty quiet - on my return about 11 1/2. Having gone to bed at 7 1/2. I found things worse. Monday much frightened - Lombard too ill to visit the works - Mr Brunel rather an impediment - not useful as an immediate superintendent - not sufficient presence of mind - These large heads require time generally - at the works all Monday night also - Monday actually got tipsy on punch - great weakness - Vide Tunnel Journal. Every thing looking better -

TUESDAY.

Paid 5..2..6 for a Cobbett's Fire place for  
To works at 2 o'clock Mon.  
Mr. Brunel -  
Received 3 Vols of Lord Bacon's works from  
my friend Miss Wilson - promised her on Saturday  
to read my Essay to her -  
Had report to write for the Directors  
Poor Mrs Brunel, weakly anxious and very annoying to  
Mr B. - trust that my own would stand it better.

WEDNESDAY.

2  
a  
Letter  
To works at 3 1/2 this morn. - bonds out of order - felt  
very unwell - shortly after I got to the danger - the timber  
support to the staves went with a most startling crack.  
it was a timber that ought to have  
a letter from cleared. Mrs H. Carried 15 or 16 tons.  
The men much frightened - soon brought it another  
support - only one man steady enough to assist -  
Mr Gravatt stood fire well - he is very much  
fatigued - and Lombard was obliged to go away  
to his brothers for a few days -  
Poor Mr Brunel, asked me this morning in a most serious  
manner what I thought of the proceedings - and begged to know  
for Mr B. whether with I had already suffered, I was still

THURSDAY.

2  
a  
Letter  
Got a good night's rest - cold & cough not heavy  
To works at 3 1/2 this morn.  
Superintending the movement all day  
disputed to continue - begged me to consider and added  
that he could not expect that I should continue to expose  
myself to these extraordinary hardships - I replied that one  
understand that they knew me not - one embarked nothing  
but a wreck would bring me up - the poor woman  
appeared pleased, and I have some immediate calculation  
that I contribute to the tranquility of these good people -  
A letter from Robt returned from France - to bed 8 1/2 hrs at 2 1/2



FRIDAY.

up at 6 o'clock this morning. Mr Gravatt being  
unwell - things slow, best improvise. a heavy  
cold and slight cough - a wet clamps day -  
Mr Barnes called about his cash. - The visitors  
of the day of course prevented Robt and Mr Turnbull  
visiting. drank tea with Mrs Brunel - Brunel  
in great spirits - related many anecdotes of his  
early life - which showed the determination of  
his genius very early - He was originally intended  
for a Priest - but every thing like mechanics was  
studiously kept from him - all to no purpose  
Many visitors this evg. Mr Cartwright to bed 10<sup>1</sup>/<sub>2</sub>  
having been in action 21<sup>1</sup>/<sub>2</sub> hours - not so fatigued  
as I might have expected -

SATURDAY.

up at 6<sup>1</sup>/<sub>2</sub> very unwell - Bowels much  
affected - flatulency - caused in some measure  
by having eaten vegetables yesterday.  
The work things looking better - very ill all day.  
Robt & Mr Turnbull paid me a visit. both  
much gratified with the work. - no appetite -  
to bed at 7 o'clock - slept pretty well, up occasionally during  
the night - getting something worse. ~~Stated~~ <sup>Said</sup> Mr. sent for Dr.  
having passed blood - he however showed clearly that it was a  
severe attack of bile, and that I must consider  
lame it takes the course it does - for had some medicine  
this bilious constitution of mine certainly enabled  
me to make more exertion than others of a diff.  
habit, and with less perceptible fatigue - what  
the effect may hereafter be God only knows, and  
to his all wise providence I leave it.

SUNDAY.

I am contemplating my last weeks occupations  
I have on the whole rather cause of gratulation  
tho' it has not been in my power to offer  
much experience; yet, my disposition to act  
to the best of my judgment, with God's assistance  
and being able to contribute something to  
the tranquillizing of the minds of dear Mrs  
Mrs Brunel, especially to my fatigued spirit  
a consoling balm - and should these exertions  
tend to shorten my life I have the gratification  
to think, that they have added some moments of  
tranquillity to the great mind of Brunel. -  
read some of the old Testament - ~~about 100 pages~~  
~~may be rather more than for a medical man.~~  
~~He said it was only a collection of bits~~ kind of him. -  
Robt came down to see me which was  
something better took some pills &c  
no appetite.



30 - Day of October

a letter from Brewster  
MONDAY. to pay money

Labouring under all the horrors of an attack of liver. Learning however something from those of my own family that have neglected it. I persevere in taking the necessary remedies. Found it almost impossible to fix my mind upon any ~~one~~ subject - except one which more fails me - I therefore indulged in dreams of the future. Took my violinello for an hour. wrote half a letter to Deane & Mr. G. read some of Lord Bacon. some of Pindar. Felt that I could not retain the subjects of which I read in my memory - put down the words in a list. Mr. & Mrs. & J. Nelson & a visit.

TUESDAY.

Still very unwell - slept pretty well - can not expect that what has been so long in collecting will suddenly be got rid of - spent visit to the works - all well - remained most of the day at the office - wrote reports for Brewster. Home at 6 - read Emerson's report upon the Building of Roxham Bridge which in its fall, especially humbled his pride - Foundation every thing - Still very unwell - continue my medicines wrote to Mr. Barnes to get receipt ready -

WEDNESDAY.

Very ill all night - finding myself somewhat better, and as Mr. Brewster had something for me to write I went to his house but was not able to remain long - however so very irritable another visit from my S<sup>r</sup> thinks me much better - all this caused my over exertion and irregularity in my meals - going without food too long - determined to take more care of myself finding that my exertions can now serve me. My want of care for self obliging me always to return to principles of action. S. B. called to take me to town - it being the anniversary of his Father's wedding day would not go - upon principle.

THURSDAY.

To works - all well - a note from Barnes to day receipt was ready signed by all the parties. a note from Aldridge - 2 & Norfolk St. Strand - from Adam West permission to view the works. feel much better - but not yet well - endeavoured to draw - a failure - not very successful in study - want change - To works every going on very well -



FRIDAY.

To works after breakfast - owing to the little  
 jealousies or checks given to the work. spoke  
 seriously to all parties - addressed their love  
 of fame and intellect - a promise of  
 improvement. - J. Brunel came down to  
 persuade me to go to Brighton for a few  
 days - agreed and I start tomorrow. I feel  
 much in want of some change. Went to  
 Brown - to Johnston's for £100 for Barnes and  
 20 for self - cold wet day. - intended going on  
 to see Sudlow - too unwell. To work till 11 o'clock  
 night.

Sudlow paid Barnes and Brown  
 the exact amount to get the work  
 a letter to Mr. Brunel and J. Brunel

SATURDAY.

up 6 - Extremely wet and cold - took Boat  
 notwithstanding at 7½ to Custom House Staircase Coach  
 there to the Cap 32 Gr<sup>t</sup> Castle St. found him very  
 well - came to publish his new translation - felt  
 unwell - too late for Prof. Cocher to Brighton. started  
 at 1½ Piccadilly - got some hot gingerbread nuts - found  
 that I must go by Lewis & Miles round - Brighton  
 direct all full - comp. a silent lady & a talkative demi  
 gentleman. - 6 hours to Lewis - got some supper not  
 having had any dinner - to Brighton is another hour  
 to the youth - no account of Brunel - took some Lead  
 to bed - up during the night. bowels not yet well.

SUNDAY.

up 7 - very cold but dry - still unwell. appetite returned  
 strange that so much should have been expended  
 upon so ill favoured a spot - reasons - fashion and  
 10 miles nearer London than any other watering place.  
 no account of Brunel. visited the chain pier -  
 disappointed. 4 catenaries. 2 in. chains - with clumsy  
 joints - 1 in suspension rods - from the expansion  
 of the metal some of the rods were within 4 or 5 in. of  
 the roadway when they ought to have been as many feet.  
 the piling upon which the chains rest - very clumsy  
 a serious vibration throughout - Went to Chapel  
 Royal - being 5 of Nov. had a doxapic against  
 1000 - visited Lord Audley. walked to Kew  
 Green - handsome - the speculation should have been made  
 a few years earlier - finishing some of the houses.  
 walked on them - met Col. Bruce & Capt. Barton &  
 at length Scambard - had left a message at York which  
 I never received. - met Mr & Mrs Maylan - glad to meet  
 one of my old flames - made me promise to spend  
 the Eve. - J. B. dining out - I dined at Hotel - Prof.  
 Mrs Maylan - met Lord Suffex & Mrs. all much  
 astonished at the change in my pursuits. - agreeable  
 very wet night.



MONDAY.

Up 8 - much better - appetite very good - but a cold - <sup>frankly</sup> damaged about - visited Pier with J.B. confirmed in the opinion which I had formed - The Piles were actually driven into the chalk which rises here - of course - scarcely a steady pile amongst them - what most elegant <sup>of</sup> piles - might have been founded upon this foundation - Ripped horses 14 Shilling the day - to Shoarham Harbour - some new ideas - good specimens of Saxon arches in Church - the new repairs have introduced Gothic windows - destroying the uniformity - rode over the Downs - dinner home by the train - dined at Albion Mr. Hawes - J.B. self - a rose in Eve - the police wishing to stop the fireworks - J.B. anxious to get amongst them - very boyish - would walk in the crowd to enjoy the row - home without accident.

TUESDAY.

Up 6 1/2. Walked before breakfast to see a small tunnel which was cut thro' the chalk E. Cliff - from the Gas works to the Beach for the purpose of conveying the coal &c - very pretty the difficulty of making very little of the ground for the most part supports itself - Brickwork at entrance built in 5 and 3 feet lengths - hard frost - J.B. not able to walk fast - visited Mrs. Maylam - Mrs. & Miss Gibbins - the Gibbs - a bad cold could not sing a nice girl - small frontal very like Ford's - large Turn & language - but so good a head as Jane G. - Mrs. G. as good natured and vulgar as ever - went over the new Church - Gothic - much to be admired - too limited in funds to complete it properly - cost £20,000 - the builder very ingenious - one - wrought from Bars 1/4 in - dinner at York - To Theatre - indifferent performers - had an agreeable party of Mr. Wroughton Box (stage).

WEDNESDAY.

Up 7 1/2 - breakfasted Albion - Lord S. Lennox - reflections upon the life of a man of fashion and young nobility - stayed this day to see Mr. Valapies machine for equalizing one to travel at the rate of 100 miles per hour - a tunnel about 200 ft. long 7.6 ft. diam. in which is a carriage the air is exhausted at one end allowing the atmospheric pressure to act at the other upon the carriage as a motive power - all very pretty as a philosophical experiment but I do not see its practicability on a large scale - the inventor a little mad about it - called on Lady Coddington - furnish her house - heard Miss Gibbins play - very fine but I like her cousins as well if not better - dined at Albion Capt. Barton dined with us - the Mrs. Clifton Eve. with Mr. or Messrs Wilton in his carriage - reflections upon old Landies - a party for scull - no music no dancing - many however advised one about the tunnel - many invitations to remain at Brighton from Tongues & Egles - determined to leave in the morning - but I might be induced to enter again into any thing like former dissipation.

THURSDAY.

Up 6 - settled account - very heavy - started at 7 o'clock - hard frost - suffered much during the journey from cold feet - arrived in town at 1/2 past 8 o'clock - To Tunnel - found things pretty well (see Tunnel Journal) - to bed at 10 1/2 -



FRIDAY.

up 4 - To works - found my health decidedly improved by the trip. - I feel almost astonished at my self in being able to continue the exertion - getting up so early used to fatigue me for the day; but now, I feel infinitely better for it. - Superintending the works throughout the day. - Mr. Adam Peck paid a visit - young officer of the Coldstream & Co. J. Aldridge of the Brunel. - He is a. the works Eng. - one of those little awkward circumstances occurred on S. B. taking leave of S. B. - former was for taking leave - latter made a cold bath & a setting going to town. -

SATURDAY.

up 4 To works till 7 - To Town breakfast at Mr. Hare's walked most of the way - a little singing after breakfast. - Mr. Hare accompanied to Oxford St. to purchase a chaff cutter for Mr. Delalme £12 - To Priestly & Meale J. B. purchased bridge of - £3. - back to Tunnel 3 1/2 - Gravelle J. B. & self did very merrily in the office - each contributed what ever he had. - Superintending alterations till 11 1/2 - To bed fatigued. -

SUNDAY.

up 4 1/2 To works - alterations going forward, requested much being again obliged to pass a Sunday in this manner. - prayed mentally for a speedy relief. - all breakfasted in the office - Gravelle & spirits never failing - an agreeable agate. - It will be very necessary to stand against his very strong hopes. I fear that it will induce him to do something with the Triames, which we may have cause to regret. - The whole day spent in superintending the operations & in making a drawing for part of the Liverpool model. - Dined in Town with Mr. Brunel - much conversation touching Liverpool. - To Mr. Hare's & Eve's to assist in reviewing and writing a report to the Directors relative to future expenses. - J. B. Caution & Penmanship required



## APPENDIX.

No 1  
1820 4th August

Dr Woodroffe in his lecture of today entered to a complete history of the Arts, from their rise in Assyria & Egypt to their present state. - In the course of the review he marked their rise, glory and decline in several countries at different periods. but it was in Greece they rose to the utmost degree of perfection, being transplanted from Egypt, from the reign of Psammetichus to the death of Alexander, about two centuries - This was the Epoch they had arrived at their greatest zenith - which furnished the Laocoon the Apollo & Venus - sublime models - he took a review of their revival in Italy under Cennamo - till they had attained a very high degree of perfection - Michael Angelo - pontiff of Leo X - he then entered into a history of the Arts in Great Britain & France. In the latter nation France encouraged them by inviting Leonardo da Vinci from Italy - but they never attained any great instance then except celebrated painters Le Sueur, Poussin & Le Brun; but they were received with more in England - chiefly confined to Portrait painting & here it is not for the famous Cartoons of Raphael purchased by Chas 2<sup>d</sup> these countries would have little to boast of the chief painters



of the great masters - tho' there were many celebrated painters in England at several times. Rubens, Van Dyke &c. - all Portraiture painters. Sir Willi. Chambers the first that attempted historical subjects. - St Pauls, Greenwich and other places, examples - - After alluding to Mr J. Reynolds and others he pronounced a most flattering eulogium on Barry as a celebrated Countryman - alluded to the series of his works in the Society of Artists &c. &c. &c. describing at one view the whole history of mankind from the most Savage State to the decree of their final retribution of rewards & punishments - as well as a display of the great powers of his mind as was ever produced. - He was left to pine in neglect. -

I was however astonished that in his enumeration of the Italian painters, he should have forgot the <sup>the great</sup> beautiful Correggio -

202  
 Lyon & Wells in his lecture of today explained very satisfactorily the reasons or rather Puffalozis reasons, for not making use of the Grammar in the manner it has been in general used. - Showed the difference between artificial grammatical knowledge and natural - useful knowledge of a language. - That grammars only tend to puzzle beginners in place of serving them. - That nature is the best guide in



This, as well as in other respects - that you must  
make it an art and not a science - you must  
<sup>take</sup> therefore certain data and proceed accordingly -  
that all capacities not being of equal power  
some require of course more application than  
others - that memory is a great requisite but as  
to people saying that they have not sufficient  
memory for abstract, have they not enough to  
learn their own language? is there any part of fact  
that does <sup>not</sup> understand his own mother tongue.

There is nothing more extraordinary in this country  
(Russia) says Clark, than the transition of the seasons.  
The people of Moscow have no spring; Winter vanishes  
and summer is 'tis not the work of a day but of one  
instant; We came from Petersburg to Moscow on sledges.  
The next day, snow was gone. On the eighth of April  
at mid-day, snow beat in at our carriage windows.  
on the same day, at sun set, arriving at Moscow,  
we had difficulty in being dragged through the mud  
to the camp-bunkers. Next morning the streets were  
dry, the double windows removed from the houses  
casements open. The carriages upon wheels,  
a few days afterwards thermometer in the shade at noon  
seventy three degrees of heat, perance. —  
What a different appearance is the internal Russian?



to external. Numerous spires, glistening with gold, amidst burnished domes and painted palaces appear in the midst of an open plain for several miles before you reach the gate on entering one might imagine all the States of Europe & Asia had sent a building as representative.

Painted palaces from Sweden and Denmark, not white washed since their arrival; painted walls from the Turks; Mosques from Constantinople; Taster temples from Bucharia; pagodas, pavilions, and verandas from China; cabarets from Spain; dungeons, prisons, and public offices from France; architectural ruins from Rome; terraces & trellises from Naples; and warehouses from Wapping; — The costume agrees with the buildings Greeks, Turks, Tartars, Caffres, Chinese, Muscovites, English, French, Italians, Poles, Germans, all in the habits of their respective countries.

## Millarney

### Monastery

The cloisters are still perfect. The arches are Gothic — In the very centre of the cloister is a beautiful yew tree — height 14 feet the branches are above the highest walls and over shadow most of building.

Here through thick walls, oblique the broken light from narrow loop holes, quivers to the light — A quantity of bones, skulls & coffinboards are accumulated. I saw the thigh bone of a person with the flesh one half decayed, owing to the great



of applicants and the little depth of the soil.  
 Insipidum I ought to have commenced with  
 Ross Castle from whence we embarked nothing  
 particular a large quadrangular tower a Bannock  
 is attached to it which speaks it however the  
 castle is a very conspicuous feature in the  
 lower lake - built by O'Donoghue in place  
 of strength in Cromwell's time -  
 Ross Island separates the lake into two parts  
 In every leaf of various green are  
 quite enchanted -



*[The body of the page contains extremely faint, illegible text, likely bleed-through from the reverse side. The text is organized into several paragraphs, with some lines appearing as distinct headings or sub-sections. Due to the low contrast and blurriness, the specific words and sentences cannot be transcribed.]*



In the article on France Edinburgh Review August 1840  
I find a deplorable account of the state of the poor in Paris  
but the French say that they are of our poor laws, which it is  
true ~~an imitation~~ and the result of a humane, but  
mistaken policy grown into an intolerable abuse.

Yet there have been compulsory laws in all countries  
for the relief of the poor; and in Switzerland they are acting  
at this moment. — At Paris the evil is at its height;  
in that city there are more than one hundred thousand  
individuals, or more than one seventh of the whole  
population, who receive support from public  
charity: a more appalling fact still is that one third  
of the inhabitants die in the hospitals. — — —

One half of the population France are proprietors of  
the Soil, while little more than one sixth of ours are so.

---

Mr Meade mentioned an anecdote  
of old Sir — Mairn — where William III  
came to London 1689. Sir — Mairn  
went up with the address from the Bar  
being the oldest lawyer to congratulate  
His Majesty. The King observed that he  
surpassed Sir — M. — had outlived all  
the lawyers of his day — yes, answered Mairn  
and had not your Majesty come over I  
should have outlived even the laws  
themselves. —



crofter cracker. Anecdote.

When Paddy <sup>gets</sup> his darling out to the dance  
he says - "Oh then my jewel tread lightly  
for my heart is under your feet."

Sir Chas. Doyle said of the Impresario  
that when the French entered Spain he  
was following the Plough but bearing an  
invaluable hatred to that nation. he commenced  
his operations with two or three of his relations  
upon a French Courier whom he took  
and obtained arms - from thence he was  
to the light we have been <sup>him</sup> occupying in the  
progress of the war - He once came into  
a town where Genl? - commanded  
and who having been told that he not only  
made his attacks upon the French but also  
in his own country men arrested him  
and threw him into Prison. The French  
Genl? being made acquainted with his  
treachery sent a <sup>large</sup> body of troops against  
the town with orders to bring the Impresario  
alive or dead & when within a short  
distance of the town the Impresario fell  
on a quay of despair with one violent  
exertion flung his chains & when the  
keeper came to <sup>the</sup> door to see the cause of  
the noise the Impresario rushed upon him



upset him and others that endeavored to  
 stop his progress and got out of the Tower  
 just at the time the French were marching  
 in. he had <sup>earlier taken refuge at</sup> ~~but~~ got to an Inn about  
 6 miles distant where he expected to  
 remain in perfect safety when 4000  
 Dragoons rode up to the door & he with  
 that singular presence of mind which  
 so characterized him, turned round about  
 offering them any thing, (with admirable  
 deception) that his Inn or rather his  
 Masters Inn could afford.

Another time he attacked a party  
 of French in the very centre of their position.  
 - ~~moment~~ just as he had them prisoners  
 another party carrying treasure  
 came in sight; at once he ordered his  
 men to dress themselves in the French  
 prisoners uniform, & came upon the  
 escort who were quite unprepared,  
 taking them for friends, - in consequence  
 an easy victory. -



after explaining the former part of the chap. he comes to vers 17. "Out of the tree of the science of good & evil, thou shalt not eat of it for in the day thou eatest of it dying thou wilt die." These words, he says, together with the foregoing, signify, that it is allowable to know what is true and good by all perception from the Lord, left not from self and the world: - a desire to search in to the mysteries of faith by means of things sensual and scientific, has been the cause of the fall or decline of every church; for hence come not only falsities, but also evils of life.

The wordley & carnal man saith in his heart, "If I am not instructed concerning faith by things of sense, so that I may see them, or by things of science, if that I may understand them, I will not believe;" & he confirmeth himself in his incredulity, by the persuasion that: rational things can not be contrary to spiritual things; wherefore he is desirous of being instructed from things of sense concerning things celestial & divine, which is as impossible as it is for a camel to go thro' the eye of a needle, the more he desires to grow wise from such a ground



the more he blinds himself - and then it is to  
 eat of the tree of the knowledge of good & evil.  
 But whoever wishes to grow wise by a  
 wisdom not derived from the world but  
 from the Lord, he saith in his heart that  
 he ought to believe in those things the Lord  
 speaketh in the Word, because they are  
 truths; & this is the principle by which  
 he governs his thoughts, & then he confirmeth  
 himself in <sup>such beliefs by</sup> things rational, scientific,  
 sensual, & natural, & removeth from his  
 mind every thing that doth not tend to  
 such confirmation -  
 Man is governed by the principles he  
 receives, be they ever so false, and all science  
 and reasoning favours such principles;  
 therefore, if it be a received principle that  
 nothing is to be believed before it is seen  
 and understood, a person under <sup>the government of</sup> such a principle  
 cannot possibly believe in <sup>&</sup> as much as  
 spiritual & celestial things are incapable of  
 being seen with the eyes, or conceived in  
 the imagination. But the true order is that  
 Man be wise with a wisdom derived from the  
 Lord, i.e. from his Word. -



The manner in which Dr Spurgeon conducted his arguments this evening was truly excellent - his seventh lecture on the organs of Self-esteem; love of approbation, cautiousness, and some introductory remarks, upon the Religious and Moral nature of man. -

Upon Self-esteem, I have little to remark, the same of love of approbation and caution: the exposition being similar to that laid down in the 1<sup>st</sup> Work - but, in the combination of Self-esteem with love of approbation, he shed its effect; by making the possessor, what is commonly called 'touchy'. Self-esteem expects others to acknowledge ~~the~~ its superior power without itself condescending; while love of approbation on the other hand, is anxiously looking for that which its neighbour will <sup>not</sup> allow it to attain, by making use of the conciliating, mode, pointed out by its own nature. - Such people also, are constantly complaining of the injustice of the world. - But the portion of the learned Dr's lecture which pleased me most, was that which related to the organs of Generosity & benevolence. It was only an introduction to full consideration of the question whether be not a marked difference between Moral and Religious feeling in the mind of man - without in any degree shocking the minds of his audience, he led them by a most logical argument just to the point and then concluded by ~~urging~~ <sup>urging</sup> them to retire and reflect and if they



found that the desire for truth, overcame their early scruples to look into the nature and origin of religion, and that they possessed sufficient courage to examine for themselves their to return, and he had no doubt that the next evening would enlighten the minds of many who had from various causes shut their thoughts from the contemplation of the subject. — 22 March 1826. —

Dr. Spurgeon also mentioned, speaking of Caution, that many children were utterly ruined by harsh treatment, when this happened to be a want of it, causing them to commit acts which led inevitably to destruction. —

March 25<sup>th</sup> 1826 The lecture this evening was a complete discussion of the Moral and Religious Sentiments.

The Dr. showed most distinctly the difference between Morality and Religion. The moral feelings arising from the organs of Benevolence, Conscience, ~~and firmness~~ <sup>Religion, from regeneration and wonder.</sup> and firmness. The latter faculty firmness, he placed in a new point view showing how necessary it is, for <sup>the attainment of moral</sup> attaining any perfection giving decision to character, and thus rendering it truly estimable. The Dr. also entered into an examination of Conscientiousness, proving, what I had already advanced, viz. that there is much more of Benevolence in the character of mankind in general, than of



Conscientiousness, he lamented, how very  
little this organ was exercised in childhood:  
Every other ~~mode~~ <sup>rather than</sup> resorted to, as a stimulant  
to exertion but that of justice. -

The Dr. introduced his lecture this evening with the organ of language. he stated that this was one of the points upon <sup>which</sup> Dr. Gall and he disagreed. Dr. G. insisting that there were two powers derived from this organ viz. a faculty of acquiring signs, and the spirit of language: whereas Dr. S. maintained that one organ could only possess one fundamental power. — The Dr. proceeded to show how much more general language was than was supposed. That animals have language to correspond with their propensities — but the peculiar and marked distinction between man and animals was the power of reproducing in the mind the feelings &c. and in conformity to which he was endowed with a superior portion of language. Natural signs being conformable to every faculty; all beings endowed with the same faculty, manifest its activity in essentially the same manner; and understood its natural manifestations. — Signs are multiplied according to the sensations and conceptions of the mind; hence, as many sort of signs as there are different faculties. Also sensations, ideas and reflections must exist before arbitrary signs can be invented to indicate them: Signs therefore &c. to ideas.

~~April~~ April 14  
For Spurzheim's lecture this evening was upon Education - The first requisite was a knowledge of man's nature; for, as in every thing else, we are apt to speak of nature when apply it.



to man-animals of slave better understood.  
 The body first consideration - The Dr lamented  
 that we had overlooked that portion of the Moravian  
 Law relating to marriages; when we still  
 continued some other of their rights. Those  
 who neglect the law of propagation must be  
 punished. - Glad to see infant schools  
 established, the children being better regulated  
 in general than at home. Temperature very  
 necessary to be attended to. if we wish a plant to  
 grow well, we give it more warmth.

~~Parents will think of the death feelings~~  
 people think by smothering Chil: learn by heart  
 they exercise their feelings. Suppose you  
 give a book on Gymnastics to a child & tell him  
 to read it. are his muscles exercised? so of all  
 the rest. We succeed better with feelings  
 than with intellect, because they are so much  
 larger. Children wish first to see - follow nature  
 and exercise the faculties as they appear; those  
 proper to man first, & then the animal as  
 auxiliary. - All actions from some motive  
 but not all from the same. By cultivating  
 natural talents you make men happy.







Mr. Neville mentioned to me some singular circumstances relative to the Devils for Bells &c. - They are enabled to remain under water from 20 to 30 minutes - They always take a wet sponge in the mouth, and, by decomposing the water procure the oxygen of Hydrogen - the latter of which, acts upon them as upon fish, causing a wonderful increase of fat & oil in a short time. They do not live long. - Speaking of producing oil gas from fish offal, he agreed that it might be made highly useful, for the ammonia - but recommended heat as still more to the purpose.

W. Henry Bell has been known in many instances to be an effectual cure for ~~deafness~~ deafness. -











THE  
INDEX.

## A

One unfortunate woman with 3 Children presented her self for relief. She had married a country school master come from her native country (Mersey) and settled near London. In the wickedness of his heart he estranged himself from his wife (a fine looking woman) and actually ran away with another carrying every thing he could, that might be converted into money, leaving his wife & his children in a deplorable state of wretchedness. The unfortunate wife came to Northwiche in order to raise a subscription amongst her country men to enable her to return home after having sought the despicable husband, whenever a hope remained of finding him. Poor man will be woman - her greatest source of regret appeared to be in the object of his vicious choice - being, as she expressed it, nothing but <sup>an</sup> old maid - she was sent home.

Another of <sup>those</sup> wretched objects of distress, which from the situation I have placed myself <sup>are</sup> now frequently presented to my observation. A poor woman (Cork) applied for some relief, in truly a hopeless situation. She had buried her husband & 2 children, and with them her future prospects. He died after a long & painful illness, which exhausted all their little, hard earned assistance - she resorted to his uncle for relief which he cheerfully gave, and took 2 children under his protection. But alas! he also died - the children after their return home, were taken with the small pox and perished. The desolate widow now left, with one child, deprived of the only friend who would or could afford relief was, after passing every article driven to <sup>the</sup> very verge of despair; and, as she acknowledged to me with a deep suppressed voice, had determined to put an end to that life which had now become a burden when she heard that a countryman was near. She goes home to her father's house tomorrow - she had married contrary to the wish of her friends, and parents, and left a respectable house to gratify her destroying passion.



---

C



Abigail December 6<sup>th</sup> 1828

A G. Mother sends some raccons to one G. child by another,  
and by way of insinuating principally, murderers said  
raccons below, before the rest of the family, also, to the maid,  
showing a want of confidence, and leaving a doubt on all  
present as to the poor child's veracity, and when the child  
had left the room, exclaiming with considerable self  
satisfaction "that wicked principle must be attended to!!!"

These Docks  
are intended  
at 1,100,000 £  
one for Imports  
Indians;  
adding 200 M. A.  
more.







Observed December 4<sup>th</sup> 1825

A g. Mother sends some raisins to one g. child by another,  
and by way of inculcating principle, murmurs said  
raisins aloud, before the rest of the family, also, to the maid.  
showing a want of confidence, and leaving a doubt on all  
present as to the poor child's veracity. and when the child  
had left the room, exclaiming with considerable self  
satisfaction that "indeed principle must be attended to."!!!















Docks West India. - The fund for executing these Docks was raised by subscription of private individuals. Interest devised not to exceed 4 per cent. Capital 1,100,000 £. The plan comprehends 2 Docks: Northern one for Imports 30 acres; capable of accommodating 300 W. Indian men; Southern for exports. 24 acres. capable of holding 200 W. men. a great deal of them the work Mr. Pennies Engineer.







I J



---

L



N



P

---



R



## T

Have this day contemplated the finest, grandest  
 work that I have ever witnessed with Tunnel  
 under the River Thames. - Never before do I remember  
 have been astonished - this work has surpassed  
 my imaginations - whether I contemplate the  
 magnitude of the design or the extraordinary  
 mode of putting it on to effect. The operations  
 commenced, by the erection of a large tower or  
 hollow cylinder of brick work. 3 feet thick and  
 50 feet diameter and 60 feet deep within which the  
 men worked excavating the earth and thus allowing  
 the cylinder to fall gradually down to the required  
 depth: strong frames were then placed across the top  
 and a Steam Engine erected, working 4 pumps -  
 the distance of Tower from bed of river 105 feet  
 after the cylinder was established, the excavation proceeded  
 by means of an iron machine, which by the force



of screws was propelled forward, forming a  
complete protection for the workmen.  
35 stages - 12 cells in each = 36 men at some time.  
Bricklayers and masons follow, and later  
the arch make the work good.  
There was however, much water coming  
through in one party owing to the Brick-  
layers having worked out of line. The Brick  
work in the arches, not good - very bad. Little  
attention to brick pointing, every dependence  
placed upon the Cement which is beautiful  
as far as it at present appears to me - but  
Granite stone might have been used with  
better effect. However, the pores of Cement  
may be more close, and undoubtedly easier  
managed; and where facility of execution was  
required probably the only thing. They have already  
advanced up works of 50 feet every thing doing well.

## W

I scarce remember a more truly awful moment in my life than on this night. About midnight after having made the second bore for the purpose of bringing away the water at the tail of the sluices had having succeeded in producing a considerable stream - with the din of workmen and the splashing of the ~~water~~ <sup>body of water</sup> against the iron frames and brickwork in a descent of 20 feet and every thing preparing for the advancement of the frame. Suddenly, the water ceased to flow. The workmen as from some party ceased their work and for half a minute scarce a sound was to be heard. We looked upon each other in silent awe, not knowing what to expect. When at length a rumbling gurgling sound was heard above, and we were at length relieved by the flow of water thro every opening in the top of N.Y. and all again was action and certainty.



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Y

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Z



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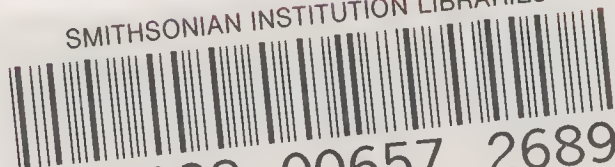








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